

STR-DE425

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Chinese Model



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SPECIFICATIONS

Amplifier section

Power output

Stereo mode	(DIN 1 kHz, 4 ohms) 90 W + 90 W
Surround mode	(DIN 1 kHz, 4 ohms) Front: 90W/ch Centre: 90W (only in PRO LOG IC MODE) REAR: (DIN 1 kHz, 8ohms) 45 W/ch
5.1/DVD INPUT * mode	Front: 90 W/ch (DIN 1 kHz, 4 ohms) Centre: 90 W (DIN 1 kHz, 4 ohms) Rear: 45 W/ch (DIN 1 kHz, 8 ohms)
Frequency response	PHONO: RIAA equalization curve ± 0.5 dB TV / LD, CD, TAPE / MD, VIDEO, 5.1/DVD INPUT: 10Hz - 50kHz ± 1 dB

Input

	Sensitivity	Impedance	S/N (Weighting network, input level)
PHONO (MM)	2.5mV	50 kilohms	74 dB 72 dB** (A, 2.5 mV)
CD, 5.1/DVD INPUT*	200 mV	50 kilohms	82 dB 82 dB** (A, 150 mV)
TAPE/MD, TV/LD, VIDEO	150 mV	50 kilohms	82 dB** (A, 150 mV)

***78IHF

Outputs

TAPE/MD REC OUT:

Voltage: 150 mV,
Impedance: 10 kilohms

VIDEO AUDIO OUT:

Voltage: 150 mV,
Impedance: 10 kilohms

WOOFER/MIX AUDIO

OUT: Voltage: 2V
Impedance: 10 kilohms

PHONES: Accepts low and high impedance headphones

Muting
BASS BOOST
TONE

Full mute
+10dB at 70 Hz
 ± 8 dB at 100 Hz and 10 kHz

FM tuner section

Tuning range	87.5 – 108.0 MHz
Aerial terminals	75 ohms, unbalanced
Sensitivity	Mono: 18.3 dBf, 2.2 μ V /75 ohms Stereo: 38.3 dBf, 22.5 μ V /75 ohms
Usable sensitivity	11.2 dBf, 1V /75 ohms (IHF)
S/N	Mono: 76 dB Stereo: 70dB
Harmonic distortion at 1 kHz	Mono: 0.3 % Stereo: 0.5 %
Separation	45dB at 1 kHz
Frequency response	30 Hz – 15kHz $^{+0.5}_{-2}$ dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	531 – 1602 kHz
Aerial	Loop aerial
Usable sensitivity	50 dB/m (at 999 kHz)
S/N	54 dB(at 50 mV/m)
Harmonic distortion	0.5%(50 mV/m, 400Hz)
Selectivity	35 dB

Video section

Input	VIDEO 1, 2, TV: 1 Vp-p 75 ohms
Output	VIDEO 1, 2, MONITOR: 1 Vp-p 75 ohms

General

System	Tuner section; PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complimentary SEPP
Power requirements	230 V AC, 50/60 Hz
Power consumption	230 W
AC outlets	Switched 100 W (except for the U.K. model)

— Continued on next page —

FM STEREO/FM-AM RECEIVER



SONY®

Dimensions	430 × 145 × 295 mm
Mass(Approx.)	STR-DE425: 7.9 kg
Supplied accessories	FM wire aerial (1) AM loop aerial (1) Remote controller (remote) (1) Size AA (R6) batteries (2)

Design and specifications are subject to change without notice.
Specifications indicated are measured at 230 VAC, 50 Hz

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

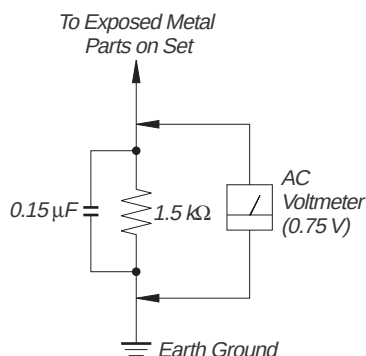


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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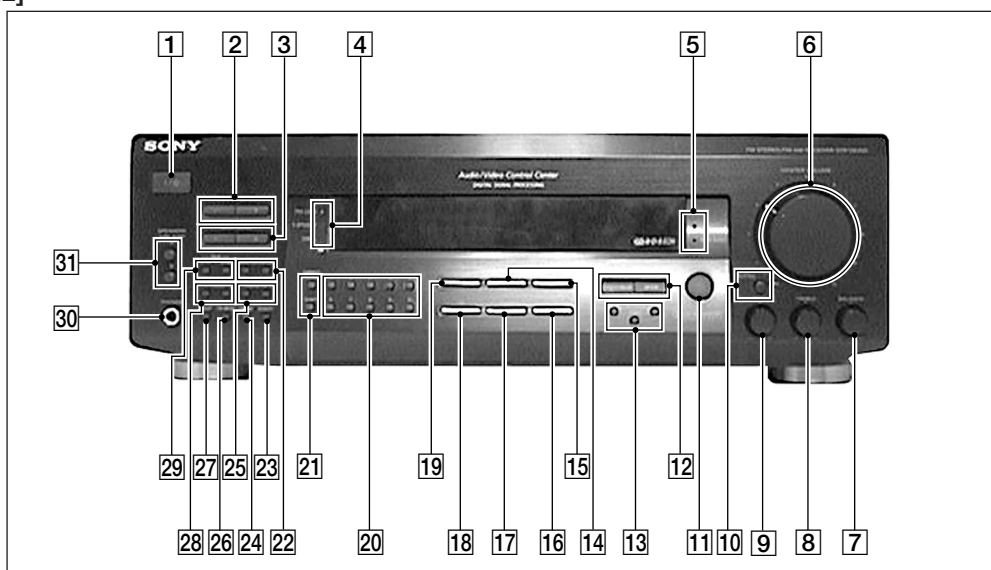
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ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE $\triangle$ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

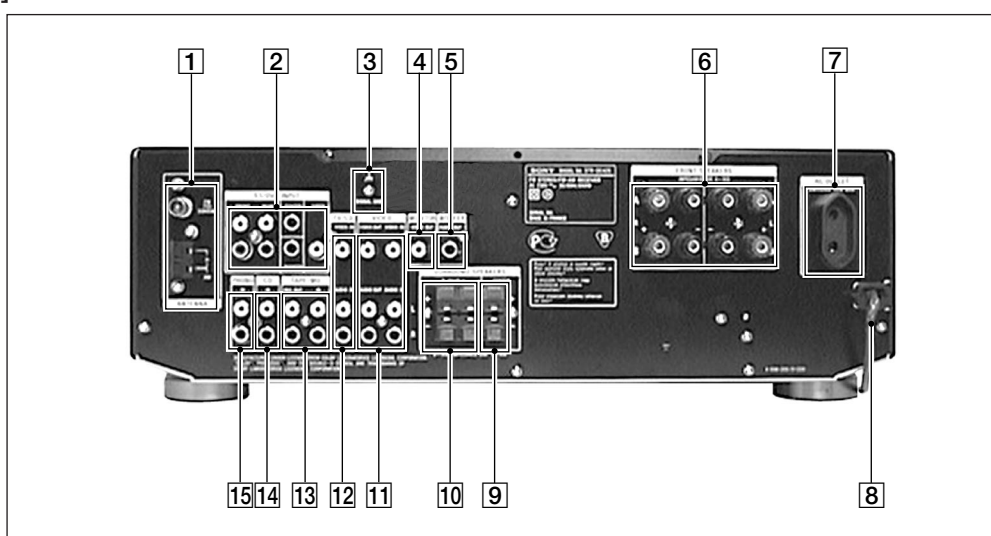
SECTION 1 GENERAL

LOCATION AND FUNCTION OF CONTROLS [FRONT PANEL]



- | | |
|--|-----------------------------------|
| 1 POWER switch (I/⏻) | 17 TUNER button |
| 2 CENTER LEVEL +, – buttons | 18 CD button |
| 3 REAR LEVEL +, – buttons | 19 VIDEO button |
| 4 PRO LOGIC, C.STUDIO, HALL indicators | 20 Numeric buttons |
| 5 5.1/DVD INPUT, BASS BOOST indicators | 21 DIRECT TUNING, SHIFT buttons |
| 6 MASTER VOLUME control | 22 CHARACTER, DISPLAY buttons |
| 7 BALANCE control | 23 MEMORY button |
| 8 TREBLE control | 24 FM/AM button |
| 9 BASS control | 25 PRESET/CHARACTER +, – buttons |
| 10 MUTING button/indicator | 26 FM MODE button |
| 11 SURROUND ON/OFF button | 27 SLEEP button |
| 12 SURROUND EFFECT/DELAY, MODE buttons | 28 TUNING/PTY SELECT +, – buttons |
| 13 SET UP, 5.1/DVD INPUT, BASS BOOST buttons | 29 RDS PTY, EON buttons |
| 14 TV/LD button | 30 PHONES jack |
| 15 TAPE/MD button | 31 SPEAKERS A, B ON/OFF buttons |
| 16 PHONO button | |

[REAR PANEL]



- | | |
|------------------------|------------------------------|
| 1 ANTENNA (FM/AM) | 9 SURROUND SPEAKERS (CENTER) |
| 2 5.1/DVD INPUT | 10 SURROUND SPEAKERS (REAR) |
| 3 SIGNAL GND | 11 VIDEO |
| 4 MONITOR | 12 TV/LD |
| 5 WOOFER | 13 TAPE/MD |
| 6 FRONT SPEAKERS (A/B) | 14 CD |
| 7 AC OUTLET | 15 PHONO |
| 8 AC power cord | |

SECTION 2

TEST MODE

INITIALIZATION MODE

* All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

* Procedure:

While depressing the VIDEO and the TAPE/MD buttons simultaneously, press the power [I/⏻] button to turn on the main power. The message INITIAL appears and initialization is performed.

FLUORESCENT INDICATOR TUBE TEST MODE

* All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

* Procedure:

While depressing the TV/LD and the BASS BOOST buttons simultaneously, press the power [I/⏻] button to turn on the main power. All segments turn on at the same time, then each segment turns on one after another. The message FINISH appears when this test is complete.

AUTO-BETICAL CHECK MODE

* To auto-scanning FM board and memorise RDS station. (FM/RDS model only)

* Procedure:

While depressing the MEMORY button, press the power [I/⏻] button to turn on the main power. The message AUTO BET appears and each function is selected one after another.

AM CHANNEL STEP 9 kHz/10 kHz

SELECTION MODE

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step. (US, CND and E model only)

* Procedure:

Set the FUNCTION to AM. Turn off the main power.

While depressing the TUNING+ button, press the power [I/⏻] button to turn on the main power. Either the message 9k STEP or 10k STEP appears. Select the desired step.

REAR SPEAKER GAIN UP MODE

* The rear speaker gain can be set to either NORMAL or GAIN UP.

* Procedure:

While depressing the -SURROUND- MODE button, press the power [I/⏻] button to turn on the main power. Either the message NORMAL or GAIN UP appears. When the product enters this mode again, the other gain appears. Select the desired gain.

SOFTWARE VERSION DISPLAY MODE

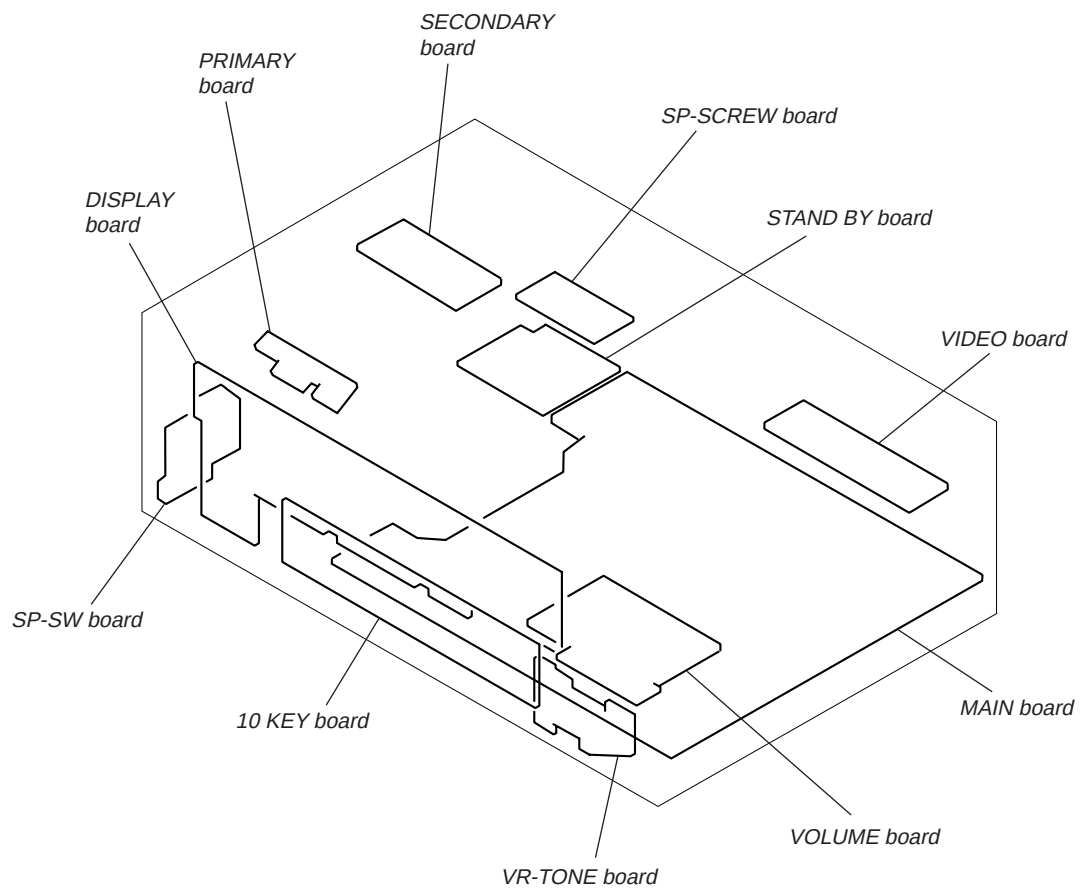
* The software version is displayed.

* Procedure:

While depressing the TUNER and the BASS BOOST buttons simultaneously, press the power [I/⏻] button to turn on the main power. The software version is displayed.

SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



**THIS NOTE IS COMMON FOR PRINTED WIRING
BOARDS AND SCHEMATIC DIAGRAMS.**
(In addition to this necessary note is printed in each
block.)

For schematic diagrams.
Note:

- All capacitors are in μF unless otherwise noted. pF: μpF
50 WV or less are not indicated except for electrolytics
and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise
specified.
- % : indicates tolerance.
- $\triangle$: internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

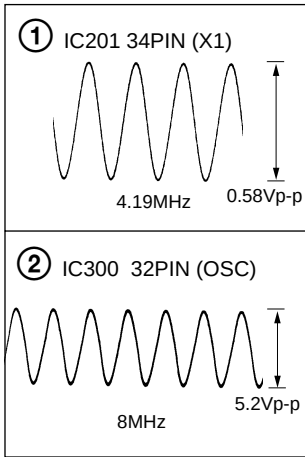
Note: The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.	Note: Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
--	---

-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground
under no-signal (detuned) conditions.
No mark : FM
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production
tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
 : FM
- Abbreviation
CND : Canadian
EE : East European
AUS : Australian
CH : Chinese
G : German
MY : Malaysia
SP : Singapore

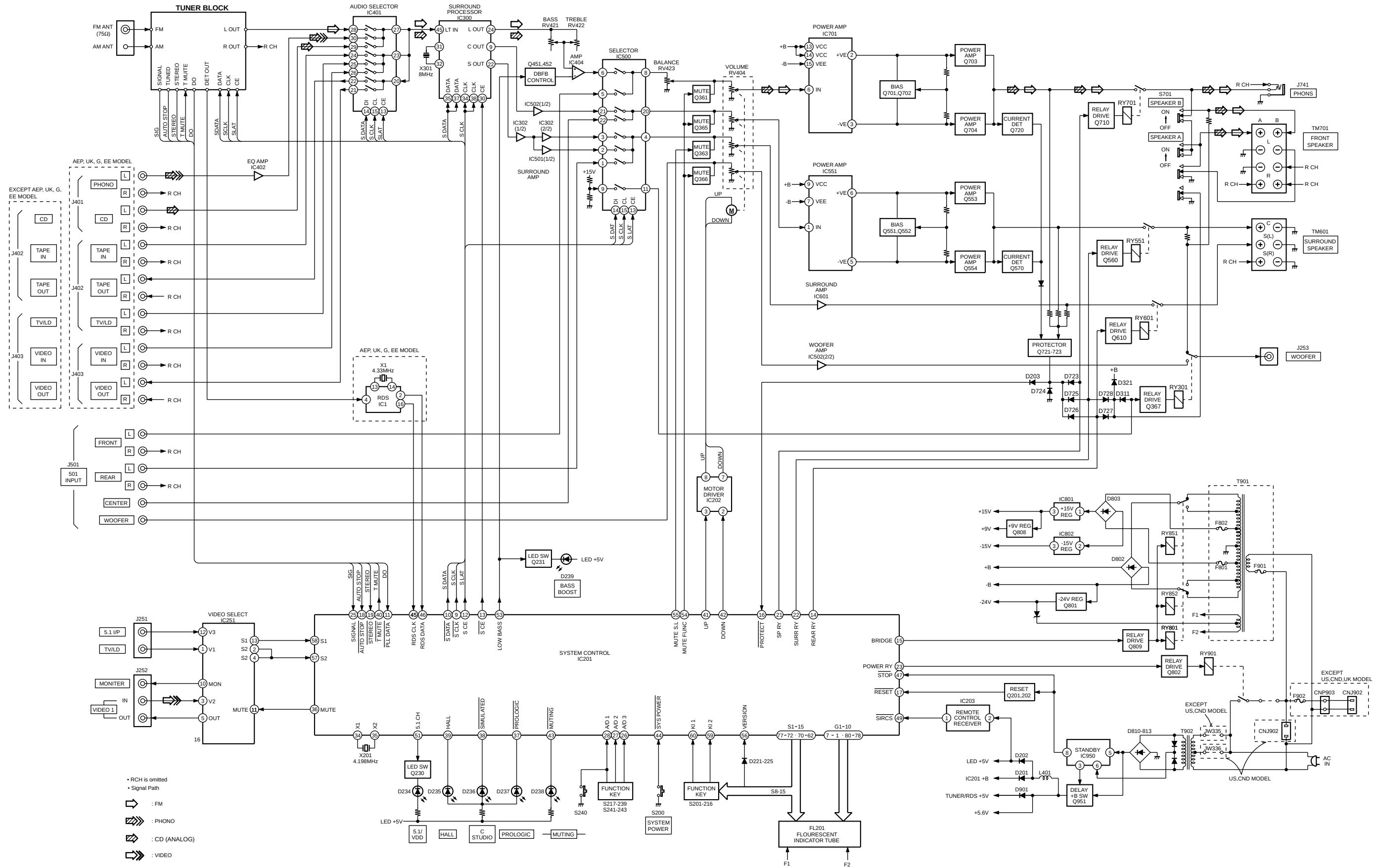
For printed wiring boards.
Note:

-  : parts extracted from the component side.
-  : Through hole.
-  : internal component.
-  : Pattern from the side which enables seeing.

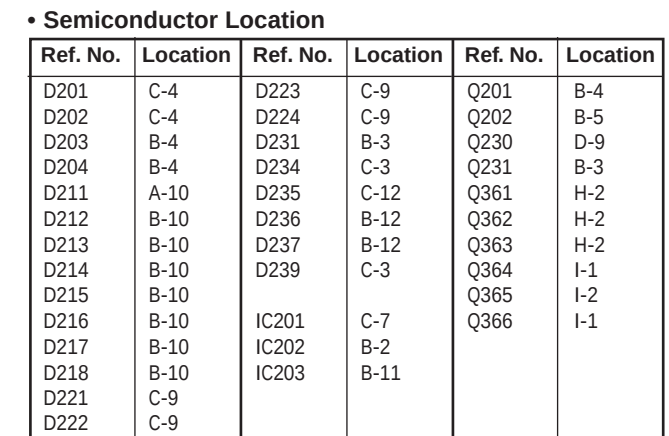
• **Waveform**

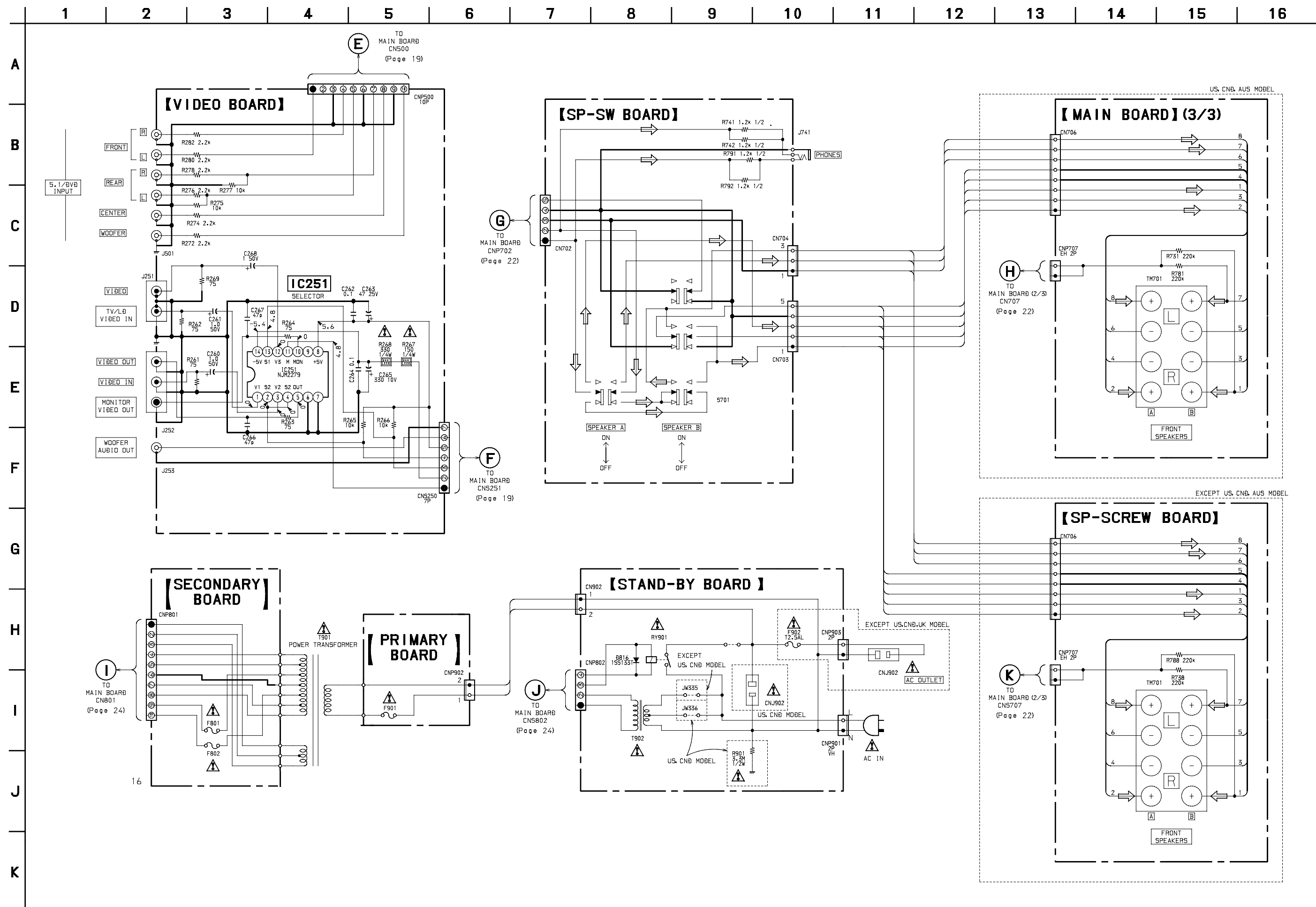


3-2. BLOCK DIAGRAM

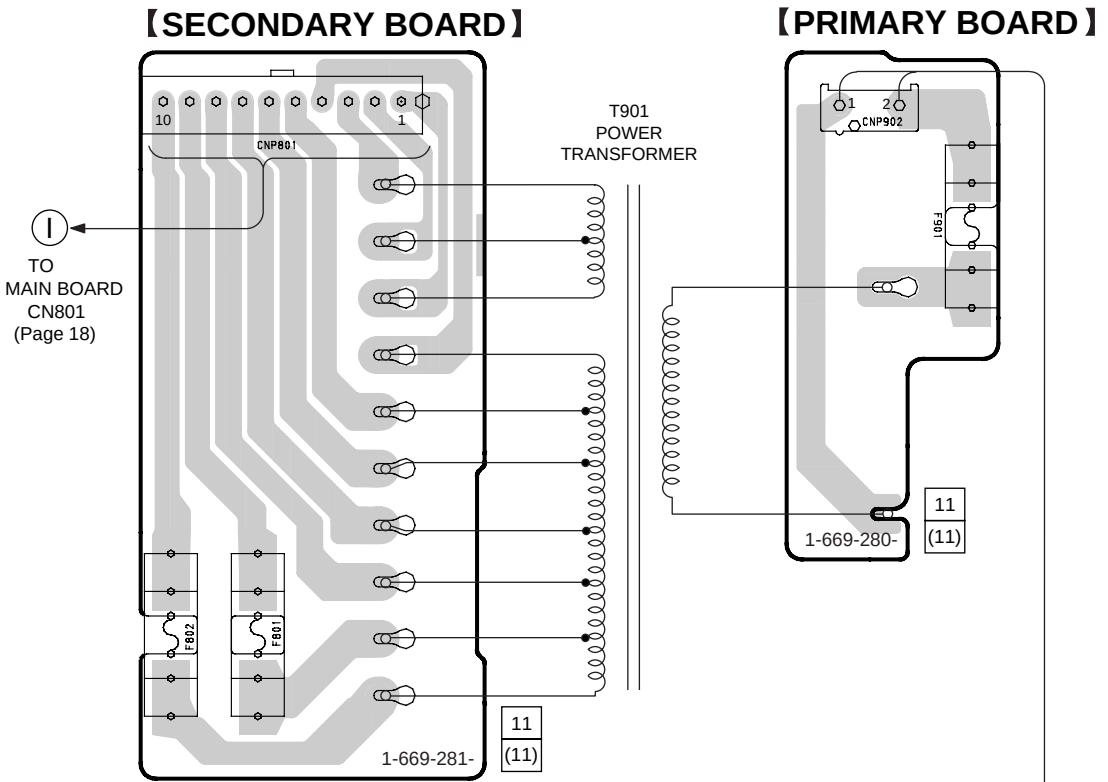
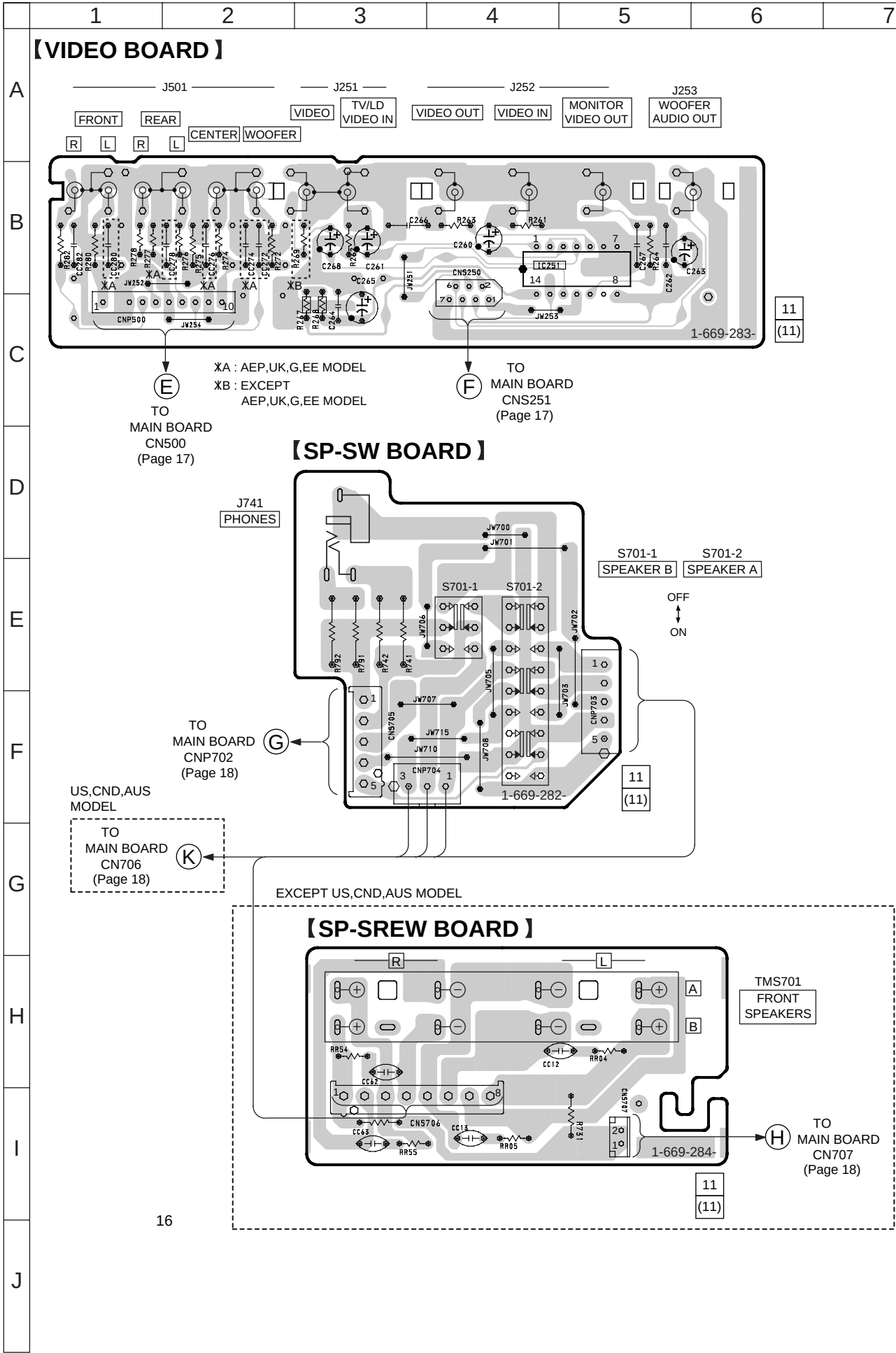






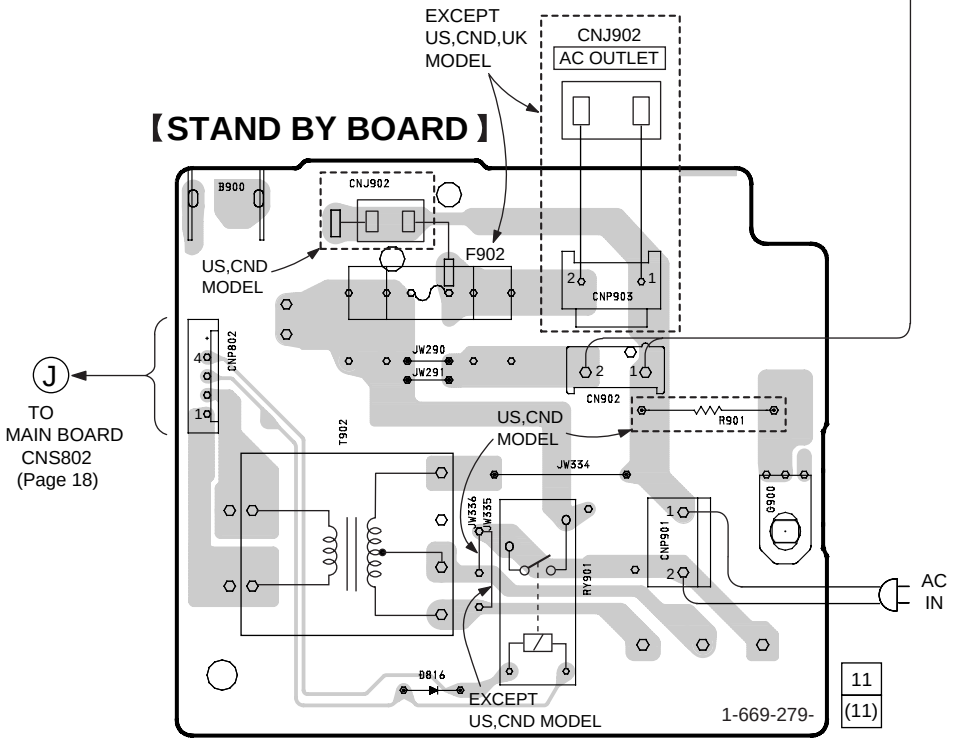


3-6. PRINTED WIRING BOARDS — POWER SECTION —

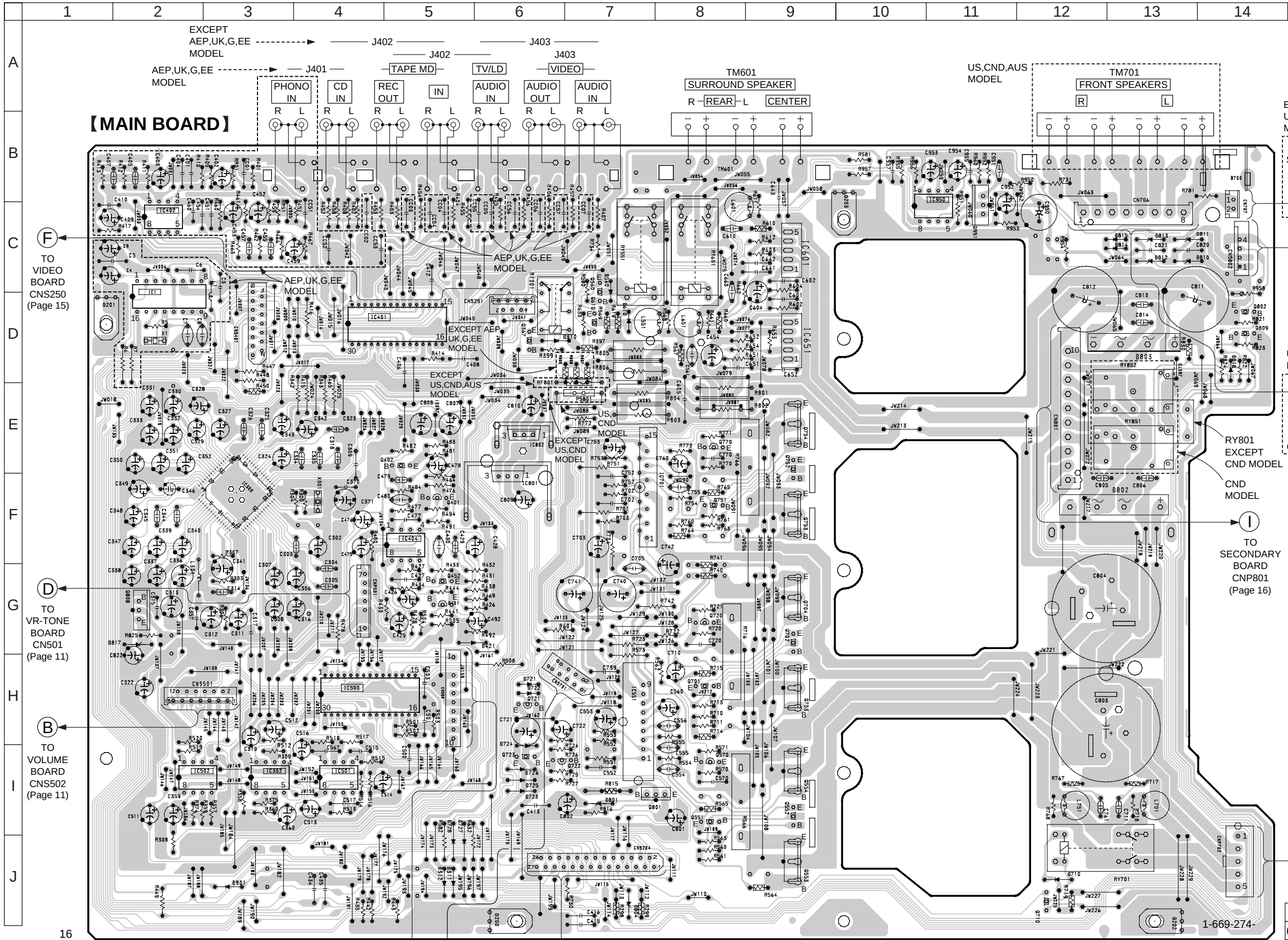


• Semiconductor Location

Ref. No.	Location
D816	I-10
IC251	B-4



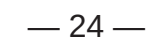
3-7. PRINTED WIRING BOARD — MAIN SECTION —



• Semiconductor Location

Ref. No.	Location
D310	D-6
D311	J-5
D312	J-5
D421	G-5
D560	C-7
D610	D-7
D710	J-12
D721	H-6
D722	H-6
D723	I-6
D724	I-6
D725	I-6
D726	I-6
D727	I-5
D728	I-5
D801	I-7
D802	F-13
D803	D-13
D804	J-7
D810	C-13
D811	C-13
D812	C-13
D813	C-13
D814	C-13
D815	C-13
D817	G-2
D818	D-14
D901	J-3
IC1	D-2
IC300	F-3
IC302	I-3
IC401	D-4
IC402	C-2
IC404	F-5
IC500	H-4
IC501	I-4
IC502	I-2
IC551	H-7
IC601	C-9
IC651	D-9
IC701	F-7
IC801	F-6
IC802	E-6
IC950	B-11
Q367	D-6
Q401	F-5
Q402	E-5
Q451	G-5
Q452	G-5
Q551	I-8
Q552	I-9
Q553	J-9
Q554	I-9
Q560	C-7
Q570	I-8
Q610	D-7
Q701	H-8
Q702	G-9
Q703	H-9
Q704	G-9
Q710	J-12
Q720	G-8
Q721	H-6
Q722	I-7
Q723	I-6
Q751	F-8
Q752	E-9
Q753	F-9
Q754	E-9
Q770	E-8
Q801	I-7
Q802	D-14
Q808	G-2
Q809	D-14
Q951	C-11





3-11. IC PIN FUNCTION DESCRIPTION

• IC201 μ PD78044FGF-112-3B9

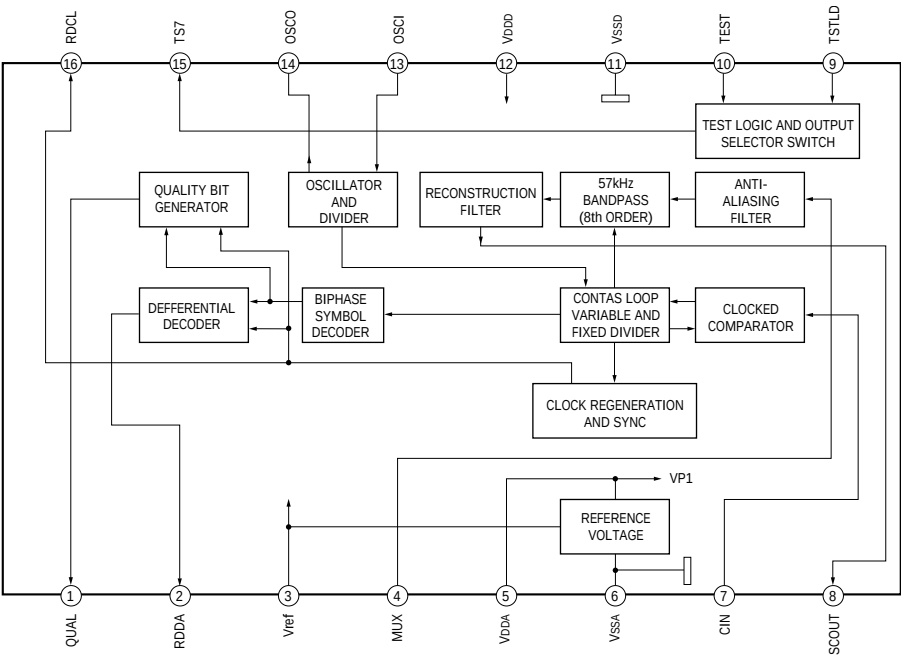
Pin No.	Pin Name	I/O	Description
1	DIG7	O	Fluorescent indicator tube drive.
2	DIG6	O	
3	DIG5	O	
4	DIG4	O	
5	DIG3	O	
6	DIG2	O	
7	DIG1	O	
8	+5V	—	Power supply (+5V).
9	$\overline{\text{S. CLK}}$	O	System clock.
10	$\overline{\text{S. DATA}}$	O	System data.
11	$\overline{\text{PLL. DATA}}$	I	PLL data input from TU001.
12	S. CE (LC7288)	O	Chip enable output.
13	$\overline{\text{S. CE (LV100)}}$	O	Chip enable output.
14	REAR-R	O	Input for model select.
15	BRIDGE	O	Relay control.
16	$\overline{\text{PROTECT}}$	I	Relay control.
17	$\overline{\text{RESET}}$	I	System reset terminal.
18	$\overline{\text{AUTO-STOP}}$	I	Auto stop detect input.
19	$\overline{\text{STEREO-IN}}$	I	Stereo detect input.
20	AVss	—	Ground.
21	SP-RY	O	Speaker relay drive.
22	SURR-RY	O	Surround Relay.
23	POWER-RY	O	Power relay drive.
24	AVss	—	Ground.
25	SIGNAL	I	A/D signal input terminal.
26	A/D3	I	A/D3 key input terminal.
27	A/D2	I	A/D2 key input terminal.
28	A/D1	I	A/D1 key input terminal.
29	AVDD	—	Power supply (+5V).
30	AV. REF	—	Reference voltage (+5V).
31	GND	—	Ground.
32	NC	—	Not used (Open).
33	Vss	—	Ground.
34	X1	O	System clock (4.19MHz).
35	X2	I	System clock (4.19MHz).
36	IC. MUTE	O	Mute drive output for NJM2279 (IC251).
37	$\overline{\text{PROLOGIC}}$	O	Plologic LED.
38	$\overline{\text{SIMULATED}}$	O	CINEMA STUDIO LED.
39	$\overline{\text{HALL}}$	O	HALL LED.
40	T. MUTE	O	Tuner mute drive output.

Pin No.	Pin Name	I/O	Description
41	VOLUME UP	O	Volume up.
42	VOLUME DOWN	O	Volume down.
43	NC	—	Not used. (Open)
44	$\overline{\text{SYS. POWER}}$	I	System power ON/OFF.
45	RDS. DATA. IN	I	RDS data input.
46	RDS. CLK. IN	I	RDS clock input.
47	$\overline{\text{STOP}}$	I	Stop signal input from NJM2103D (IC950).
48	Vss	—	Ground.
49	$\overline{\text{SIRCS}}$	I	Sircs signal input.
50	$\overline{\text{MUTING}}$	O	Muting LED drive.
51	5.1ch LED	O	5.1ch LED drive.
52	+5V	—	Power supply (+5V).
53	BASS BOOST	O	Bass boost LED drive.
54	FUNC. MUTE	O	Line mute drive.
55	SL MUTE	O	SL mute drive.
56	VERSION	I	Input for model select.
57	K14	I	Key in 4.
58	K13	I	Key in 3.
59	K12	I	Key in 2.
60	K11	I	Key in 1.
61	SR MUTE	O	SR mute drive.
62	S15	O	Key out 15.
63	S14	O	Key out 14.
64	S13	O	Key out 13.
65	S12	O	Key out 12.
66	S11	O	Key out 11.
67	S10	O	Key out 10.
68	S9	O	Key out 9.
69	S8	O	Key out 8.
70	S7	O	Key out 7.
71	VLOAD	—	Connect to -24V.
72	S6	O	Key out 6.
73	S5	O	Key out 5.
74	S4	O	Key out 4.
75	S3	O	Key out 3.
76	S2	O	Key out 2.
77	S1	O	Key out 1.
78	DIG10	O	Fluorescent indicator tube drive.
79	DIG9	O	
80	DIG8	O	

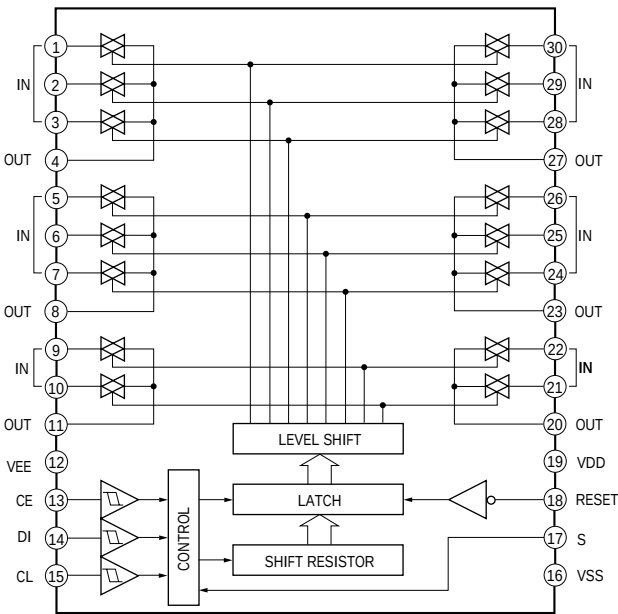
3-12. IC BLOCK DIAGRAMS

- IC BLOCK DIAGRAMS

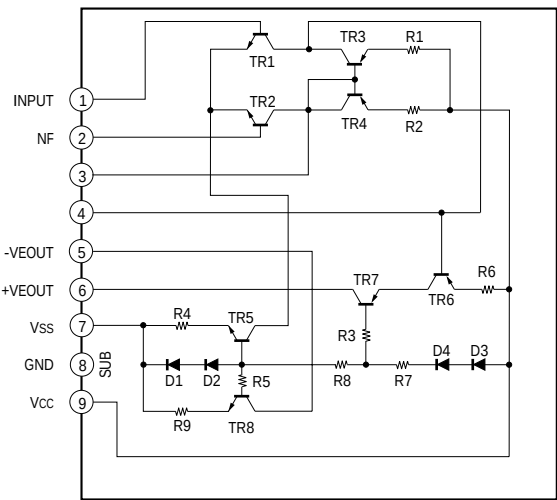
IC1 BU1922



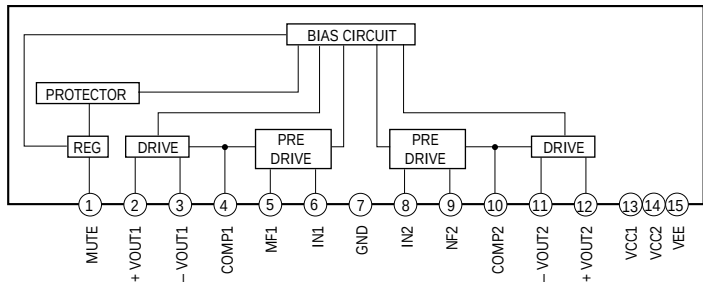
IC401, IC500 LC7822



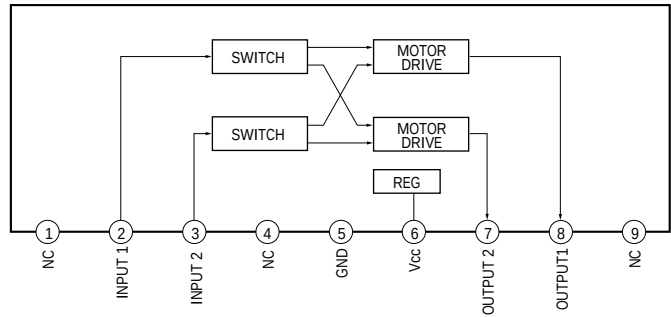
IC551 STK350-230



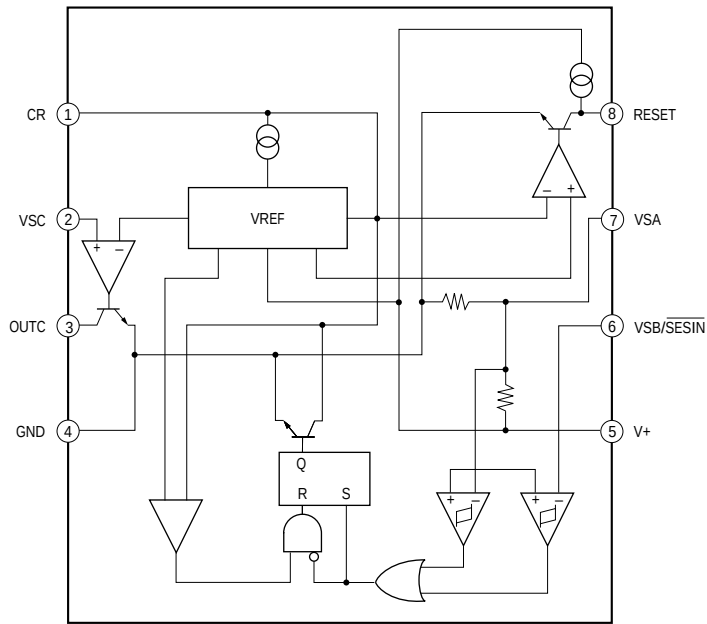
IC701 uPC2581V



IC202 BA6208



IC950 NJM2103D



SECTION 4 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
CND : Canadian G : German
EE : East European MY : Malaysia
AUS : Australian SP : Singapore
CH : Chinese

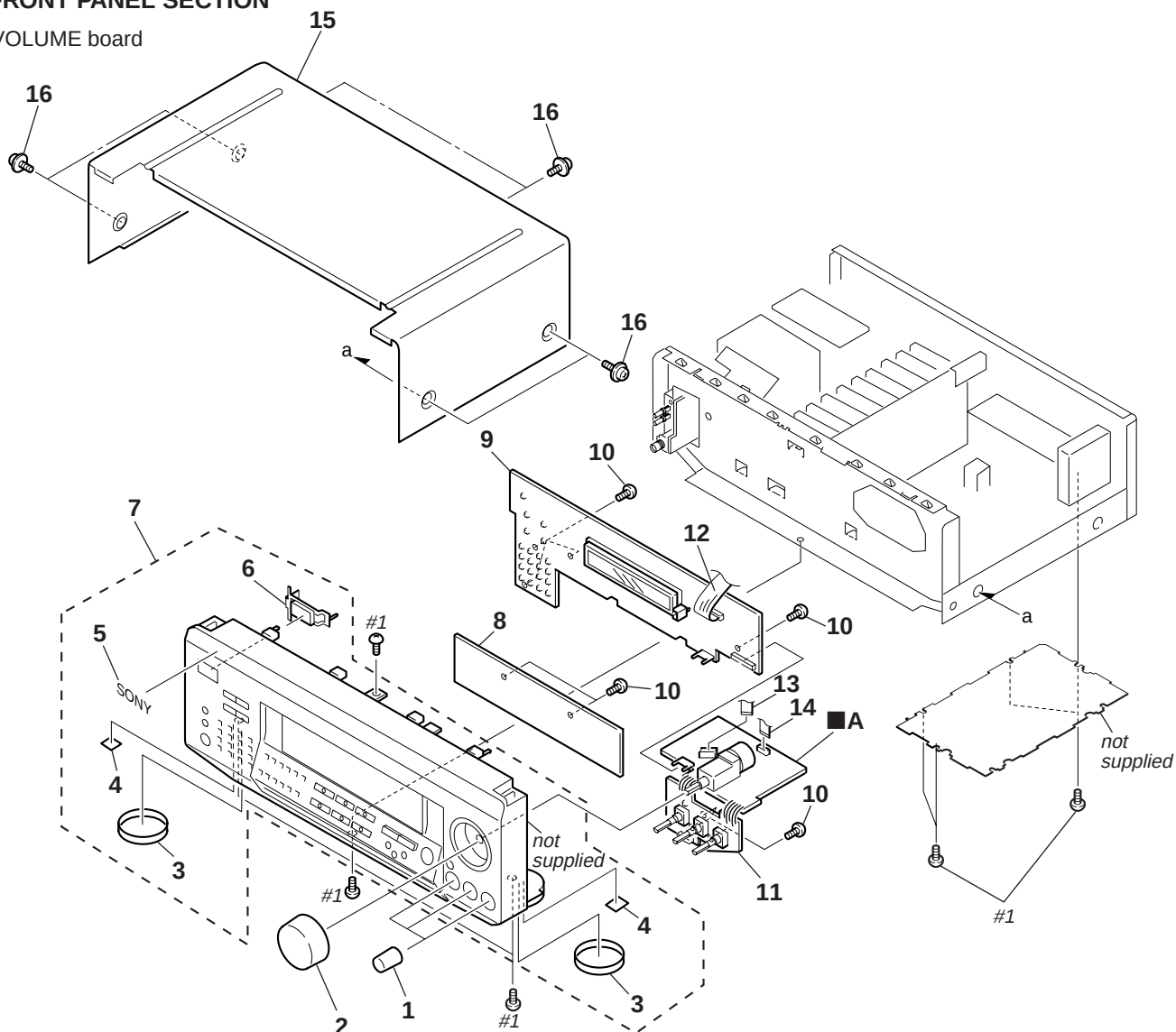
When indicating parts by reference number, please include the board name.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

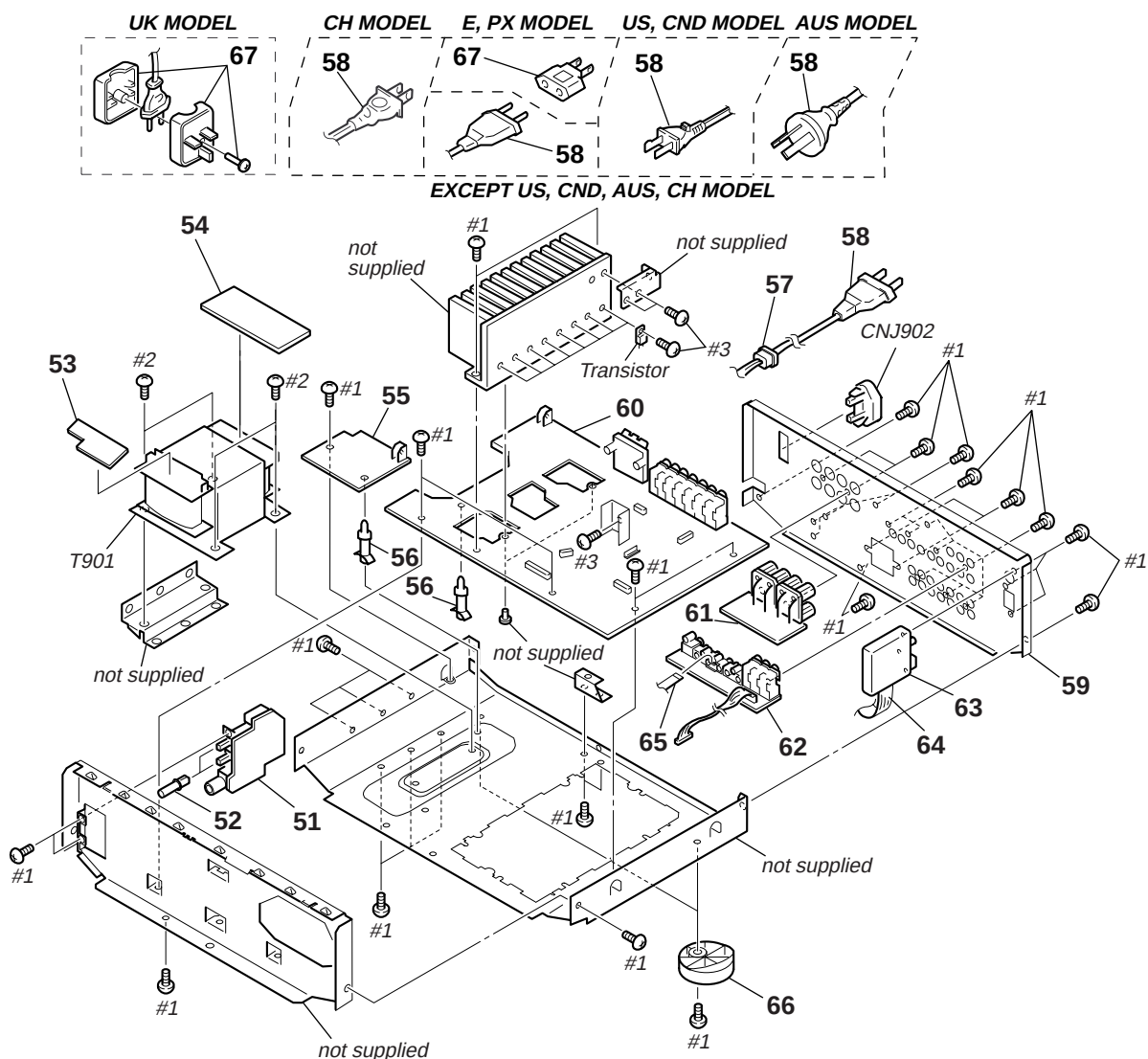
4-1. FRONT PANEL SECTION

■A : VOLUME board



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	4-998-717-01	KNOB (BAL)		* 9	A-4407-534-A	DISPLAY BOARD, COMPLETE(E,SP,MY,CH)	
2	X-4949-627-1	KNOB (VOL) ASSY		* 9	A-4407-537-A	DISPLAY BOARD, COMPLETE(AEP,UK,G)	
3	4-977-593-11	RING(DIA.50),ORNAMENTAL(EXCEPT US,CND)		* 9	A-4407-995-A	DISPLAY BOARD, COMPLETE(EE)	
4	4-977-358-11	CUSHION (US,CND)		10	4-951-620-01	SCREW (2.6X8), +BVTP	
5	4-996-698-01	EMBLEM, SONY		* 11	A-4407-451-A	VR-TONE BOARD, COMPLETE (US,CND,AUS,E,SP,MY,CH)	
6	4-998-189-01	BUTTON (P-T)		* 11	A-4407-539-A	VR-TONE BOARD, COMPLETE(AEP,UK,G,EE)	
7	X-4949-624-1	FRONT PANEL ASSY (US,CND)		12	1-782-086-11	WIRE (FLAT TYPE) (27 CORE)	
7	X-4949-676-1	FRONT PANEL ASSY (AUS)		13	1-769-911-11	WIRE (FLAT TYPE) (9 CORE)	
7	X-4949-677-1	FRONT PANEL ASSY (AEP,UK,G,EE)		14	1-769-972-11	WIRE (FLAT TYPE) (13 CORE)	
7	X-4949-683-1	FRONT PANEL ASSY (E,SP,MY,CH)		* 15	4-998-206-01	CASE (413226)	
* 8	1-669-276-11	10 KEY BOARD		16	3-710-901-11	SCREW (CASE) (M3X8)	
* 9	A-4407-449-A	DISPLAY BOARD, COMPLETE(US,CND)					
* 9	A-4407-531-A	DISPLAY BOARD, COMPLETE(AUS)					

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
* 51	1-669-282-11	SP-SW BOARD		* 60	A-4407-535-A	MAIN BOARD, COMPLETE (E,SP,MY,CH)	
52	4-951-801-03	BUTTON (S)		* 60	A-4407-545-A	MAIN BOARD, COMPLETE(AEP,UK,G,EE)	
* 53	1-669-280-11	PRIMARY BOARD		* 61	1-669-284-11	SP-SCREW BOARD (AEP,UK,G,EE,E,SP,MY,CH)	
* 54	1-669-281-11	SECONDARY BOARD		* 62	1-669-283-11	VIDEO BOARD	
* 55	1-669-279-11	STAND BY BOARD		63	1-693-407-41	TUNER (US,CND)	
* 56	4-954-051-51	HOLDER, PC BOARD		63	1-693-408-41	TUNER (AUS,AEP,UK,G,E,SP,MY,CH)	
* 57	3-703-244-00	BUSHING (2104), CORD		63	1-693-411-41	TUNER (EE)	
△ 58	1-777-071-21	CORD, POWER (EXCEPT US,CND,AUS,CH)		64	1-782-080-11	WIRE (FLAT TYPE) (15 CORE)	
△ 58	1-696-847-21	CORD, POWER (AUS)		65	1-782-074-11	WIRE (FLAT TYPE) (7 CORE)	
△ 58	1-777-071-11	CORD, POWER (CH)		66	X-4947-207-1	FOOT ASSY (F50150S)(EXCEPT US,CND)	
△ 58	1-783-204-11	CORD, POWER (US,CND)		66	X-4947-208-1	FOOT ASSY (F50150S)(US,CND)	
* 59	4-998-205-01	BACK PANEL (E4)(US)		67	1-569-008-21	ADAPTOR, CONVERSION 2P (E)	
* 59	4-998-205-11	BACK PANEL (E4)(CND)		67	1-770-019-11	ADAPTOR, CONVERSION 3P (UK)	
* 59	4-998-205-21	BACK PANEL (E4)(AUS)		△ CNJ902	1-251-416-11	OUTLET, AC (AUS)	
* 59	4-998-205-31	BACK PANEL (E4)(E,SP,MY)		△ CNJ902	1-526-794-11	OUTLET, AC (AEP,G,EE,E,SP,MY,CH)	
* 59	4-998-205-41	BACK PANEL (E4)(CH)		△ T901	1-431-267-11	TRANSFORMER, POWER (US)	
* 59	4-998-205-61	BACK PANEL (E4)(EE)		△ T901	1-431-268-11	TRANSFORMER, POWER (CND)	
* 59	4-998-205-51	BACK PANEL (E4)(AEP,UK,G)		△ T901	1-431-270-11	TRANSFORMER, POWER (AUS)	
* 60	A-4407-457-A	MAIN BOARD, COMPLETE (US)		△ T901	1-431-791-11	TRANSFORMER, POWER (AEP,UK,G,EE)	
* 60	A-4407-530-A	MAIN BOARD, COMPLETE (CND)		△ T901	1-431-792-11	TRANSFORMER, POWER (E,SP,MY,CH)	
* 60	A-4407-533-A	MAIN BOARD, COMPLETE (AUS)					

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 5 ELECTRICAL PARTS LIST

DISPLAY

NOTE:

When indicating parts by reference number, please include the board name.

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

- XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
uF: μ F
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable

- COILS
uH: μ H
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...
- Abbreviation
CND : Canadian G : German
EE : East European MY : Malaysia
AUS : Australian SP : Singapore
CH : Chinese

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
*	A-4407-449-A	DISPLAY BOARD, COMPLETE (US,CND) *****		D237	8-719-046-39	DIODE SEL5821A-TH15 (PROLOGIC)	
*	A-4407-531-A	DISPLAY BOARD, COMPLETE (AUS) *****		D239	8-719-046-39	DIODE SEL5821A-TH15 (BASS BOOST)	
						< FLUORESCENT >	
*	A-4407-534-A	DISPLAY BOARD, COMPLETE (E,SP,MY,CH) *****		FL201	1-517-662-11	INDICATOR TUBE, FLUORESCENT	
*	A-4407-537-A	DISPLAY BOARD, COMPLETE (AEP,UK,G) *****				< IC >	
*	A-4407-995-A	DISPLAY BOARD, COMPLETE (EE) *****		IC201	8-759-526-68	IC uPD78044FGF-112-3B9	
				IC202	8-759-962-08	IC BA6208	
*	4-921-941-01	CUSHION (FL)		IC203	8-759-332-18	IC GP1U27XB	
*	4-943-107-11	HOLDER (FL TUBE)				< COIL >	
		< CAPACITOR >		L401	1-410-509-11	INDUCTOR 10uH	
C201	1-104-905-11	CAPACITOR 0.22F	5.5V			< TRANSISTOR >	
C202	1-164-159-11	CERAMIC 0.1uF	50V				
C203	1-124-465-00	ELECT 0.47uF	20% 50V	Q201	8-729-900-63	TRANSISTOR DTA124ES	
C204	1-164-159-11	CERAMIC 0.1uF	50V	Q202	8-729-900-36	TRANSISTOR DTC124ES	
C205	1-162-294-31	CERAMIC 0.001uF	10% 50V	Q230	8-729-119-76	TRANSISTOR 2SA1175-HFE	
				Q231	8-729-900-36	TRANSISTOR DTC124ES	
C206	1-164-159-11	CERAMIC 0.1uF	50V			< RESISTOR >	
C207	1-126-096-11	ELECT 10uF	20% 35V	R200	1-249-433-11	CARBON 22K 5%	1/4W
C208	1-126-964-11	ELECT 10uF	20% 50V	R201	1-247-903-00	CARBON 1M 5%	1/4W
		< CONNECTOR >		R202	1-249-429-11	CARBON 10K 5%	1/4W
CNP205	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P		R203	1-249-429-11	CARBON 10K 5%	1/4W
CNS201	1-569-327-11	SOCKET, CONNECTOR 27P		R204	1-249-425-11	CARBON 4.7K 5%	1/4W F
CNS202	1-770-402-11	HOUSING, CONNECTOR(PC BOARD)9P					
		< DIODE >		R205	1-249-441-11	CARBON 100K 5%	1/4W
D201	8-719-911-19	DIODE 1SS119		R206	1-249-433-11	CARBON 22K 5%	1/4W
D202	8-719-911-19	DIODE 1SS119		R207	1-249-433-11	CARBON 22K 5%	1/4W
D203	8-719-911-19	DIODE 1SS119		R211	1-249-433-11	CARBON 22K 5%	1/4W
D204	8-719-911-19	DIODE 1SS119		R212	1-249-433-11	CARBON 22K 5%	1/4W
D211	8-719-911-19	DIODE 1SS119					
D212	8-719-911-19	DIODE 1SS119		R216	1-249-433-11	CARBON 22K 5%	1/4W
D213	8-719-991-33	DIODE 1SS133T-77 (AEP,UK,G,EE)		R221	1-247-807-31	CARBON 100 5%	1/4W
D214	8-719-991-33	DIODE 1SS133T-77 (AEP,UK,G,EE)		R222	1-247-807-31	CARBON 100 5%	1/4W
D215	8-719-911-19	DIODE 1SS119		R223	1-247-807-31	CARBON 100 5%	1/4W
D216	8-719-911-19	DIODE 1SS119		R224	1-247-807-31	CARBON 100 5%	1/4W
				R225	1-247-807-31	CARBON 100 5%	1/4W
D217	8-719-911-19	DIODE 1SS119		R226	1-249-441-11	CARBON 100K 5%	1/4W
D218	8-719-911-19	DIODE 1SS119		R227	1-249-441-11	CARBON 100K 5%	1/4W
D221	8-719-911-19	DIODE 1SS119 (EE,E,SP,MY,CH)		R228	1-249-406-11	CARBON 120 5%	1/4W F
D222	8-719-911-19	DIODE 1SS119 (AUS,E,SP,MY,CH)		R230	1-249-406-11	CARBON 120 5%	1/4W F
D223	8-719-991-33	DIODE 1SS133T-77 (AUS,AEP,UK,G,EE)					
D224	8-719-911-19	DIODE 1SS119		R231	1-249-427-11	CARBON 6.8K 5%	1/4W F
D231	8-719-911-19	DIODE 1SS119		R270	1-247-807-31	CARBON 100 5%	1/4W
D234	8-719-046-39	DIODE SEL5821A-TH15 (5.1/DVD INPUT)		R283	1-249-427-11	CARBON 6.8K 5%	1/4W F
D235	8-719-046-39	DIODE SEL5821A-TH15 (HALL)		R284	1-249-427-11	CARBON 6.8K 5%	1/4W F
D236	8-719-046-39	DIODE SEL5821A-TH15 (C.STUDIO)		R285	1-249-406-11	CARBON 120 5%	1/4W F

DISPLAY

MAIN

Ref. No.	Part No.	Description	Remarks
R286	1-249-437-11	CARBON	47K 5% 1/4W
R287	1-249-425-11	CARBON	4.7K 5% 1/4W F
RD01	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD02	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD03	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD04	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD05	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD06	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD07	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD08	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD09	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD10	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD11	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD12	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD13	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD14	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD15	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD16	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD17	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD18	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD19	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD20	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD21	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD22	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD23	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD24	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
RD25	1-249-439-11	CARBON	68K 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
< SWITCH >			
S200	1-762-751-11	SWITCH,TACTILE (POWER)	
S201	1-762-751-11	SWITCH,TACTILE (CENTER LEVEL-)	
S202	1-762-751-11	SWITCH,TACTILE (CENTER LEVEL+)	
S203	1-762-751-11	SWITCH,TACTILE (REAR LEVEL-)	
S204	1-762-751-11	SWITCH,TACTILE (REAR LEVEL+)	

Ref. No.	Part No.	Description	Remarks
S205	1-762-751-11	SWITCH,TACTILE (PTY) (AEP,UK,G,EE)	
S206	1-762-751-11	SWITCH,TACTILE (EON) (AEP,UK,G,EE)	
S207	1-762-751-11	SWITCH,TACTILE (CHARACTER)(AEP,UK,G,EE)	
S208	1-762-751-11	SWITCH,TACTILE (DISPLAY) (AEP,UK,G,EE)	
S209	1-762-751-11	SWITCH,TACTILE (TUNING PTY SELECT-)	
S210	1-762-751-11	SWITCH,TACTILE (TUNING PTY SELECT+)	
S211	1-762-751-11	SWITCH,TACTILE (PRESET CHARACTER-)	
S212	1-762-751-11	SWITCH,TACTILE (PRESET CHARACTER+)	
S213	1-762-751-11	SWITCH,TACTILE (SLEEP)	
S214	1-762-751-11	SWITCH,TACTILE (FM MODE)	
S215	1-762-751-11	SWITCH,TACTILE (FM/AM)	
S216	1-762-751-11	SWITCH,TACTILE (MEMORY)	
< VIBRATOR >			
X201	1-577-101-11	VIBRATOR, CERAMIC 4.19MHz	

*	A-4407-457-A	MAIN BOARD, COMPLETE (US)	

*	A-4407-530-A	MAIN BOARD, COMPLETE (CND)	

*	A-4407-533-A	MAIN BOARD, COMPLETE (AUS)	

*	A-4407-535-A	MAIN BOARD, COMPLETE (E,SP,MY,CH)	

*	A-4407-545-A	MAIN BOARD, COMPLETE (AEP,UK,G,EE)	

	3-905-609-01	SCREW (TRANSISTOR)	
	4-812-134-00	RIVET (DIA. 3.5), NYLON	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
	7-685-872-09	SCREW +BVTT 3X8 (S)	
< CAPACITOR >			
C3	1-162-286-21	CERAMIC 220PF	10% 50V (AEP,UK,G,EE)
C4	1-126-961-11	ELECT 2.2uF	20% 50V (AEP,UK,G,EE)
C5	1-162-306-11	CERAMIC 0.01uF	20% 16V (AEP,UK,G,EE)
C6	1-162-291-31	CERAMIC 560PF	10% 50V (AEP,UK,G,EE)
C7	1-102-527-11	CERAMIC 82PF	5% 50V (AEP,UK,G,EE)
C8	1-102-852-91	CERAMIC 47PF	5% 50V (AEP,UK,G,EE)
C9	1-126-960-11	ELECT 1uF	20% 50V (AEP,UK,G,EE)
C302	1-126-934-11	ELECT 220uF	20% 10V
C303	1-130-494-11	MYLAR 0.082uF	5% 50V
C304	1-137-367-11	FILM 0.0033uF	5% 50V
C305	1-130-494-11	MYLAR 0.082uF	5% 50V
C306	1-126-959-11	ELECT 0.47uF	20% 50V
C307	1-126-964-11	ELECT 10uF	20% 50V
C308	1-126-964-11	ELECT 10uF	20% 50V
C309	1-162-291-31	CERAMIC 560PF	10% 50V
C310	1-126-962-11	ELECT 3.3uF	20% 50V
C311	1-126-961-11	ELECT 2.2uF	20% 50V
C312	1-126-934-11	ELECT 220uF	20% 10V
C313	1-126-934-11	ELECT 220uF	20% 10V
C314	1-136-165-00	FILM 0.1uF	5% 50V
C316	1-124-252-00	ELECT 0.33uF	20% 50V

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
C317	1-164-159-11	CERAMIC	0.1uF		50V	C426	1-126-795-11	ELECT	10uF	20%	25V
C318	1-136-357-11	FILM	680PF	5%	50V	C427	1-162-207-31	CERAMIC	22PF	5%	50V
C322	1-126-962-11	ELECT	3.3uF	20%	50V	C428	1-124-252-00	ELECT	0.33uF	20%	50V
C323	1-136-173-00	FILM	0.47uF	5%	50V	C429	1-130-489-00	MYLAR	0.033uF	5%	50V
C324	1-126-967-11	ELECT	47uF	20%	16V	C430	1-102-973-00	CERAMIC	100PF	5%	50V
C325	1-136-165-00	FILM	0.1uF	5%	50V	C434	1-162-286-31	CERAMIC	220PF	10%	50V
C326	1-136-165-00	FILM	0.1uF	5%	50V	C435	1-162-286-31	CERAMIC	220PF	10%	50V
C327	1-126-959-11	ELECT	0.47uF	20%	50V	C451	1-162-286-21	CERAMIC	220PF	10%	50V
C328	1-126-963-11	ELECT	4.7uF	20%	50V	C452	1-126-962-11	ELECT	3.3uF	20%	(AEP,UK,G,EE)
C329	1-126-959-11	ELECT	0.47uF	20%	50V						50V
											(AEP,UK,G,EE)
C330	1-126-963-11	ELECT	4.7uF	20%	50V	C453	1-126-966-11	ELECT	33uF	20%	16V
C331	1-124-250-11	ELECT	0.15uF	20%	50V						(AEP,UK,G,EE)
C332	1-126-962-11	ELECT	3.3uF	20%	50V						50V
C333	1-124-250-11	ELECT	0.15uF	20%	50V	C454	1-162-286-21	CERAMIC	220PF	10%	50V
C334	1-137-372-11	FILM	0.022uF	5%	50V	C455	1-137-459-11	FILM	0.0056MF	5%	100V
C335	1-136-161-00	FILM	0.047uF	5%	50V						(AEP,UK,G,EE)
C336	1-126-934-11	ELECT	220uF	20%	10V						
C337	1-126-964-11	ELECT	10uF	20%	50V	C457	1-137-365-11	FILM	0.0015uF	5%	50V
C338	1-126-964-11	ELECT	10uF	20%	50V	C459	1-126-962-11	ELECT	3.3uF	20%	(AEP,UK,G,EE)
C339	1-126-964-11	ELECT	10uF	20%	50V						50V
											(AEP,UK,G,EE)
C340	1-126-964-11	ELECT	10uF	20%	50V	C460	1-164-159-21	CERAMIC	0.1uF		50V
C341	1-126-934-11	ELECT	220uF	20%	10V	C475	1-126-795-11	ELECT	10uF	20%	25V
C342	1-126-962-11	ELECT	3.3uF	20%	50V						25V
C343	1-126-962-11	ELECT	3.3uF	20%	50V						50V
C344	1-136-165-00	FILM	0.1uF	5%	50V	C477	1-162-207-31	CERAMIC	22PF	5%	50V
C345	1-136-165-00	FILM	0.1uF	5%	50V	C478	1-124-252-00	ELECT	0.33uF	20%	50V
C346	1-126-959-11	ELECT	0.47uF	20%	50V	C479	1-130-489-00	MYLAR	0.033uF	5%	50V
C347	1-126-963-11	ELECT	4.7uF	20%	50V	C480	1-102-973-00	CERAMIC	100PF	5%	50V
C348	1-126-959-11	ELECT	0.47uF	20%	50V	C492	1-124-464-11	ELECT	0.22uF	20%	50V
C349	1-126-963-11	ELECT	4.7uF	20%	50V	C500	1-164-159-11	CERAMIC	0.1uF		50V
C350	1-124-250-11	ELECT	0.15uF	20%	50V	C501	1-162-294-31	CERAMIC	0.001uF	10%	50V
C351	1-126-962-11	ELECT	3.3uF	20%	50V	C503	1-162-282-31	CERAMIC	100PF	10%	50V
C352	1-124-250-11	ELECT	0.15uF	20%	50V	C511	1-126-963-11	ELECT	4.7uF	20%	50V
C357	1-164-159-11	CERAMIC	0.1uF		50V	C512	1-126-963-11	ELECT	4.7uF	20%	50V
C359	1-126-963-11	ELECT	4.7uF	20%	50V	C513	1-126-963-11	ELECT	4.7uF	20%	50V
C360	1-126-963-11	ELECT	4.7uF	20%	50V	C514	1-126-960-11	ELECT	1uF	20%	50V
C370	1-164-159-11	CERAMIC	0.1uF		50V	C515	1-164-159-11	CERAMIC	0.1uF		50V
C371	1-126-966-11	ELECT	33uF	20%	16V	C516	1-126-963-11	ELECT	4.7uF	20%	50V
C401	1-162-286-21	CERAMIC	220PF	10%	50V	C517	1-162-193-31	CERAMIC	3.3PF	10%	50V
				(AEP,UK,G,EE)		C552	1-162-282-31	CERAMIC	100PF	10%	50V
C402	1-126-962-11	ELECT	3.3uF	20%	50V	C553	1-126-933-11	ELECT	100uF	20%	10V
				(AEP,UK,G,EE)		C554	1-102-937-00	CERAMIC	4.0PF		+ -0.25PF50V
C403	1-126-966-11	ELECT	33uF	20%	16V	C555	1-102-989-00	CERAMIC	68PF	5%	500V
				(AEP,UK,G,EE)		C556	1-102-989-00	CERAMIC	68PF	5%	500V
C404	1-162-286-21	CERAMIC	220PF	10%	50V	C560	1-126-967-11	ELECT	47uF	20%	16V
				(AEP,UK,G,EE)		C561	1-137-372-11	FILM	0.022uF	5%	50V
C405	1-137-459-11	FILM	0.0056MF	5%	100V	C567	1-162-193-31	CERAMIC	3.3PF	10%	50V
				(AEP,UK,G,EE)		C570	1-162-286-31	CERAMIC	220PF	10%	50V
C406	1-164-159-11	CERAMIC	0.1uF		50V	C601	1-162-282-31	CERAMIC	100PF	10%	50V
C407	1-137-365-11	FILM	0.0015uF	5%	50V	C602	1-162-282-31	CERAMIC	100PF	10%	50V
				(AEP,UK,G,EE)		C604	1-104-665-11	ELECT	100uF	20%	16V
C408	1-162-294-31	CERAMIC	0.001uF	10%	50V	C605	1-162-294-31	CERAMIC	0.001uF	10%	50V
C409	1-126-962-11	ELECT	3.3uF	20%	50V	C610	1-137-372-11	FILM	0.022uF	5%	50V
				(AEP,UK,G,EE)		C641	1-162-282-31	CERAMIC	100PF	10%	50V
C410	1-164-159-21	CERAMIC	0.1uF		50V	C642	1-162-282-31	CERAMIC	100PF	10%	50V
				(AEP,UK,G,EE)		C643	1-162-282-31	CERAMIC	100PF	10%	50V
C412	1-162-291-31	CERAMIC	560PF	10%	50V	C651	1-162-282-31	CERAMIC	100PF	10%	50V
C413	1-164-159-11	CERAMIC	0.1uF		50V						
C415	1-164-159-11	CERAMIC	0.1uF		50V						
C416	1-164-159-11	CERAMIC	0.1uF		50V						
C425	1-126-795-11	ELECT	10uF	20%	25V						

MAIN

Ref. No.	Part No.	Description	Remarks		
C652	1-162-282-31	CERAMIC	100PF	10%	50V
C654	1-104-665-11	ELECT	100uF	20%	16V
C660	1-137-372-11	FILM	0.022uF	5%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-126-933-11	ELECT	100uF	20%	10V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C710	1-126-967-11	ELECT	47uF	20%	16V
C711	1-137-372-11	FILM	0.022uF	5%	50V
C720	1-162-286-31	CERAMIC	220PF	10%	50V
C721	1-126-934-11	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C740	1-128-560-11	ELECT	22uF	20%	100V
C741	1-128-560-11	ELECT	22uF	20%	100V
C742	1-126-925-11	ELECT	470uF	20%	10V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-126-933-11	ELECT	100uF	20%	10V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C760	1-126-967-11	ELECT	47uF	20%	16V
C761	1-137-372-11	FILM	0.022uF	5%	50V
C770	1-162-286-31	CERAMIC	220PF	10%	50V
C799	1-164-159-11	CERAMIC	0.1uF		50V
C801	1-104-664-11	ELECT	47uF	20%	25V
C802	1-104-664-11	ELECT	47uF	20%	25V
C803	1-117-203-11	ELECT(BLOCK)	10000uF	20%	63V
					(US)
C803	1-107-766-11	ELECT(BLOCK)	8200uF	20%	71V
					(EXCEPT US)
C804	1-117-203-11	ELECT(BLOCK)	10000uF	20%	63V
					(US)
C804	1-107-766-11	ELECT(BLOCK)	8200uF	20%	71V
					(EXCEPT US)
C805	1-115-694-21	MYLAR	0.22uF	5%	100V
					(EXCEPT US,CND)
C805	1-137-420-11	FILM	0.047uF	10%	100V
					(US,CND)
C806	1-115-694-21	MYLAR	0.22uF	5%	100V
					(EXCEPT US,CND)
C806	1-137-420-11	FILM	0.047uF	10%	100V
					(US,CND)
C807	1-104-664-11	ELECT	47uF	20%	25V
C808	1-104-664-11	ELECT	47uF	20%	25V
C809	1-126-960-11	ELECT	1uF	20%	50V
C810	1-126-960-11	ELECT	1uF	20%	50V
C811	1-128-550-11	ELECT	2200uF	20%	50V
C812	1-128-550-11	ELECT	2200uF	20%	50V
C813	1-101-001-00	CERAMIC	0.001uF		50V
C814	1-101-001-00	CERAMIC	0.001uF		50V
C820	1-161-494-00	CERAMIC	0.022uF		25V
C821	1-161-494-00	CERAMIC	0.022uF		25V
C822	1-104-664-11	ELECT	47uF	20%	25V
C823	1-104-664-11	ELECT	47uF	20%	25V
C950	1-126-767-11	ELECT	1000uF	20%	16V
C951	1-164-097-11	CERAMIC	0.022uF		50V
C952	1-126-960-11	ELECT	1uF	20%	50V
C953	1-124-464-11	ELECT	0.22uF	20%	50V
C954	1-126-795-11	ELECT	10uF	20%	50V
C955	1-164-159-11	CERAMIC	0.1uF		50V
CC01	1-162-282-31	CERAMIC	100PF		50V
					(AEP,UK,G,EE)
CC02	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)

Ref. No.	Part No.	Description	Remarks		
CC03	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC04	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC05	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC06	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC07	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC51	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC52	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC53	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC54	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC55	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC56	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
CC57	1-162-282-31	CERAMIC	100PF	10%	50V
					(AEP,UK,G,EE)
< CONNECTOR >					
CNP501	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CNP702	1-764-474-11	PIN, CONNECTOR (PC BOARD) 5P			
CNS204	1-569-327-11	SOCKET, CONNECTOR 27P			
CNS251	1-568-439-11	SOCKET, CONNECTOR 7P			
CNS401	1-569-321-11	SOCKET, CONNECTOR 15P			
CNS501	1-568-443-11	SOCKET, CONNECTOR 13P			
CNS701	1-568-442-11	SOCKET, CONNECTOR 9P			
CNS802	1-770-480-11	SOCKET, CONNECTOR PIN 4P			
< DIODE >					
D310	8-719-911-19	DIODE 1SS119			
D311	8-719-911-19	DIODE 1SS119			
D312	8-719-911-19	DIODE 1SS119			
D421	8-719-911-19	DIODE 1SS119			
D560	8-719-911-19	DIODE 1SS119			
D610	8-719-911-19	DIODE 1SS119			
D710	8-719-911-19	DIODE 1SS119			
D721	8-719-911-19	DIODE 1SS119			
D722	8-719-911-19	DIODE 1SS119			
D723	8-719-911-19	DIODE 1SS119			
D724	8-719-911-19	DIODE 1SS119			
D725	8-719-911-19	DIODE 1SS119			
D726	8-719-911-19	DIODE 1SS119			
D727	8-719-911-19	DIODE 1SS119			
D728	8-719-911-19	DIODE 1SS119			
D801	8-719-986-54	DIODE HZS24-1LTA			
D802	8-719-302-38	DIODE RBV-602-01			
D803	8-719-028-23	DIODE D3SBA20-4101			
D804	8-719-109-85	DIODE RD5.1ES-B2			
D810	8-719-200-82	DIODE 11ES2			
D811	8-719-200-82	DIODE 11ES2			
D812	8-719-200-82	DIODE 11ES2			
D813	8-719-200-82	DIODE 11ES2			
D814	8-719-911-19	DIODE 1SS119			
D815	8-719-911-19	DIODE 1SS119			

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
D817	8-719-933-61	DIODE HZS9C3LTD		Q570	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D818	8-719-911-19	DIODE 1SS119		Q610	8-729-119-78	TRANSISTOR 2SC403SP-51	
D901	8-719-911-19	DIODE 1SS119		Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
		< EARTH >		Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
				Q703	8-749-010-25	IC MN2488-OPY-M	
* G200	1-537-738-21	TERMINAL, EARTH		Q704	8-749-010-26	IC MP1620-OPY-M	
* G201	1-537-738-21	TERMINAL, EARTH		Q710	8-729-119-78	TRANSISTOR 2SC403SP-51	
* G202	1-537-738-21	TERMINAL, EARTH		Q720	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
* G203	1-537-738-21	TERMINAL, EARTH		Q721	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
		< IC >		Q722	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
				Q723	8-729-119-78	TRANSISTOR 2SC403SP-51	
IC1	8-759-450-86	IC BU1922 (AEP,UK,G,EE)		Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC300	8-759-527-00	IC LV1035M		Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
IC302	8-759-636-74	IC M5218AP-22		Q753	8-749-010-25	IC MN2488-OPY-M	
IC401	8-759-805-14	IC LC7822		Q754	8-749-010-26	IC MP1620-OPY-M	
IC402	8-759-636-74	IC M5218AP-22 (AEP,UK,G,EE)		Q770	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
IC404	8-759-636-74	IC M5218AP-22		Q801	8-729-140-97	TRANSISTOR 2SB734-34	
IC500	8-759-805-14	IC LC7822		Q802	8-729-119-78	TRANSISTOR 2SC403SP-51	
IC501	8-759-636-74	IC M5218AP-22		Q808	8-729-209-15	TRANSISTOR 2SD2012	
IC502	8-759-636-74	IC M5218AP-22		Q809	8-729-119-78	TRANSISTOR 2SC403SP-51	
IC551	8-749-011-16	IC STK350-230		Q951	8-729-209-15	TRANSISTOR 2SD2012	
IC601	8-759-085-89	IC LM3875-S				< RESISTOR >	
IC651	8-759-085-89	IC LM3875-S					
IC701	8-759-326-52	IC uPC2581V		R5	1-249-421-11	CARBON 2.2K 5% 1/4W F	
IC801	8-759-604-40	IC M5F78M15				(AEP,UK,G,EE)	
IC802	8-759-604-46	IC M5F79M15		R6	1-247-807-31	CARBON 100 5% 1/4W	
						(AEP,UK,G,EE)	
IC950	8-759-333-83	IC NJM2103D		R7	1-247-807-31	CARBON 100 5% 1/4W	
		< JACK >				(AEP,UK,G,EE)	
J401	1-770-614-11	JACK,PIN4P(PHONO/CD) (AEP,UK,G,EE)		R300	1-247-903-00	CARBON 1M 5% 1/4W	
J402	1-580-825-11	JACK,PIN6P(TAPE MD/TV/LD)		R303	1-249-439-11	CARBON 68K 5% 1/4W	
J403	1-770-613-11	JACK,PIN4P(VIDEO)(AEP,UK,G,EE)		R304	1-249-411-11	CARBON 330 5% 1/4W	
J403	1-580-825-11	JACK,PIN6P(VIDEO)(US,CND,AUS,E,SP,MY,CH)		R306	1-249-436-11	CARBON 39K 5% 1/4W	
		< COIL >		R307	1-247-862-11	CARBON 20K 5% 1/4W	
				R308	1-249-421-11	CARBON 2.2K 5% 1/4W F	
L1	1-410-521-11	INDUCTOR 100uH (AEP,UK,G,EE)		R309	1-249-421-11	CARBON 2.2K 5% 1/4W F	
L301	1-410-509-11	INDUCTOR 10uH		R357	1-249-441-11	CARBON 100K 5% 1/4W	
L551	1-420-872-00	COIL, AIR-CORE		R358	1-249-441-11	CARBON 100K 5% 1/4W	
L601	1-420-872-00	COIL, AIR-CORE		R359	1-249-425-11	CARBON 4.7K 5% 1/4W F	
L651	1-420-872-00	COIL, AIR-CORE		R360	1-249-425-11	CARBON 4.7K 5% 1/4W F	
L701	1-420-872-00	COIL, AIR-CORE		R374	1-249-429-11	CARBON 10K 5% 1/4W	
L751	1-420-872-00	COIL, AIR-CORE		R375	1-249-429-11	CARBON 10K 5% 1/4W	
		< IC LINK >		R397	1-249-419-11	CARBON 1.5K 5% 1/4W F	
				R399	1-249-426-11	CARBON 5.6K 5% 1/4W	
△PS800	1-533-588-31	LINK, IC (AEP,UK,G,EE,E,SP,MY,CH)		R401	1-249-411-11	CARBON 330 5% 1/4W	
		< TRANSISTOR >				(AEP,UK,G,EE)	
				R402	1-249-421-11	CARBON 2.2K 5% 1/4W F	
Q367	8-729-119-78	TRANSISTOR 2SC403SP		R403	1-249-417-11	CARBON 1K 5% 1/4W F	
Q401	8-729-202-67	TRANSISTOR 2SK246-GR3		R404	1-249-417-11	CARBON 1K 5% 1/4W F	
Q402	8-729-141-30	TRANSISTOR 2SC3623A-LK		R405	1-249-417-11	CARBON 1K 5% 1/4W F	
Q451	8-729-202-67	TRANSISTOR 2SK246-GR3		R406	1-249-417-11	CARBON 1K 5% 1/4W F	
Q452	8-729-141-30	TRANSISTOR 2SC3623A-LK		R407	1-249-417-11	CARBON 1K 5% 1/4W F	
Q551	8-729-119-76	TRANSISTOR 2SA1175-HFE		R408	1-249-429-11	CARBON 10K 5% 1/4W	
Q552	8-729-141-30	TRANSISTOR 2SC3623A-LK		R409	1-249-437-11	CARBON 47K 5% 1/4W	
Q553	8-749-010-25	IC MN2488-OPY-M				(AEP,UK,G,EE)	
Q554	8-749-010-26	IC MP1620-OPY-M					
Q560	8-729-119-78	TRANSISTOR 2SC403SP-51					

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R410	1-247-897-11	CARBON	560K 5% 1/4W (AEP,UK,G,EE)	R478	1-249-417-11	CARBON	1K 5% 1/4W F
R411	1-249-416-11	CARBON	820 5% 1/4W F (AEP,UK,G,EE)	R480	1-249-437-11	CARBON	47K 5% 1/4W
R412	1-247-897-11	CARBON	560K 5% 1/4W (AEP,UK,G,EE)	R481	1-247-843-11	CARBON	3.3K 5% 1/4W
R413	1-249-437-11	CARBON	47K 5% 1/4W (AEP,UK,G,EE)	R482	1-247-883-00	CARBON	150K 5% 1/4W
R414	1-249-425-11	CARBON	4.7K 5% 1/4W F	R483	1-249-427-11	CARBON	6.8K 5% 1/4W F
R415	1-249-417-11	CARBON	1K 5% 1/4W F	R484	1-249-413-11	CARBON	470 5% 1/4W F
R416	1-249-417-11	CARBON	1K 5% 1/4W F (AEP,UK,G,EE)	R491	1-249-441-11	CARBON	100K 5% 1/4W
R417	1-247-897-11	CARBON	560K 5% 1/4W (AEP,UK,G,EE)	R492	1-247-903-00	CARBON	1M 5% 1/4W
R420	1-249-441-11	CARBON	100K 5% 1/4W	R494	1-247-903-00	CARBON	1M 5% 1/4W
R426	1-249-429-11	CARBON	10K 5% 1/4W	R501	1-247-843-11	CARBON	3.3K 5% 1/4W
R427	1-249-439-11	CARBON	68K 5% 1/4W	R502	1-249-425-11	CARBON	4.7K 5% 1/4W F
R428	1-249-417-11	CARBON	1K 5% 1/4W F	R503	1-249-429-11	CARBON	10K 5% 1/4W
R430	1-249-437-11	CARBON	47K 5% 1/4W	R504	1-249-425-11	CARBON	4.7K 5% 1/4W F
R431	1-247-843-11	CARBON	3.3K 5% 1/4W	R505	1-249-421-11	CARBON	2.2K 5% 1/4W F
R432	1-247-883-00	CARBON	150K 5% 1/4W	R508	1-249-426-11	CARBON	5.6K 5% 1/4W
R433	1-249-427-11	CARBON	6.8K 5% 1/4W F	R512	1-249-441-11	CARBON	100K 5% 1/4W
R434	1-249-413-11	CARBON	470 5% 1/4W F	R513	1-249-429-11	CARBON	10K 5% 1/4W
R435	1-249-418-11	CARBON	1.2K 5% 1/4W F	R514	1-249-429-11	CARBON	10K 5% 1/4W
R438	1-249-441-11	CARBON	100K 5% 1/4W	R515	1-249-419-11	CARBON	1.5K 5% 1/4W F
R441	1-249-441-11	CARBON	100K 5% 1/4W	R516	1-249-419-11	CARBON	1.5K 5% 1/4W F
R442	1-249-418-11	CARBON	1.2K 5% 1/4W F	R517	1-249-429-11	CARBON	10K 5% 1/4W
R443	1-249-418-11	CARBON	1.2K 5% 1/4W F	R518	1-249-429-11	CARBON	10K 5% 1/4W
R444	1-247-903-00	CARBON	1M 5% 1/4W	R519	1-249-429-11	CARBON	10K 5% 1/4W
R447	1-249-416-11	CARBON	820 5% 1/4W F	R520	1-249-417-11	CARBON	1K 5% 1/4W F
R448	1-249-429-11	CARBON	10K 5% 1/4W	R551	1-249-417-11	CARBON	1K 5% 1/4W F
R449	1-249-433-11	CARBON	22K 5% 1/4W	R552	1-249-438-11	CARBON	56K 5% 1/4W
R450	1-249-400-11	CARBON	39 5% 1/4W F	R553	1-249-414-11	CARBON	560 5% 1/4W F (AEP,UK,G,EE)
R451	1-249-411-11	CARBON	330 5% 1/4W (AEP,UK,G,EE)	R553	1-249-411-11	CARBON	330 5% 1/4W (US,CND,AUS,E,SP,MY,CH)
R452	1-249-421-11	CARBON	2.2K 5% 1/4W F	R554	1-249-438-11	CARBON	56K 5% 1/4W
R453	1-249-417-11	CARBON	1K 5% 1/4W F	R555	1-249-413-11	CARBON	470 5% 1/4W F
R454	1-249-417-11	CARBON	1K 5% 1/4W F	R560	1-249-421-11	CARBON	2.2K 5% 1/4W F
R455	1-249-417-11	CARBON	1K 5% 1/4W F	R561	1-249-440-11	CARBON	82K 5% 1/4W
R456	1-249-417-11	CARBON	1K 5% 1/4W F	R562	1-249-431-11	CARBON	15K 5% 1/4W
R457	1-249-417-11	CARBON	1K 5% 1/4W F	R563	1-249-414-11	CARBON	560 5% 1/4W F
R458	1-249-429-11	CARBON	10K 5% 1/4W	△ R564	1-249-409-11	CARBON	220 5% 1/4W F (AEP,UK,G,EE)
R459	1-249-437-11	CARBON	47K 5% 1/4W (AEP,UK,G,EE)	△ R564	1-249-408-11	CARBON	180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)
R460	1-247-897-11	CARBON	560K 5% 1/4W (AEP,UK,G,EE)	△ R565	1-249-409-11	CARBON	220 5% 1/4W F (AEP,UK,G,EE)
R461	1-249-416-11	CARBON	820 5% 1/4W F (AEP,UK,G,EE)	△ R565	1-249-408-11	CARBON	180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)
R462	1-247-897-11	CARBON	560K 5% 1/4W (AEP,UK,G,EE)	△ R566	1-233-352-21	ENCAPSULATED COMPONENT	
R463	1-249-437-11	CARBON	47K 5% 1/4W (AEP,UK,G,EE)	△ R567	1-249-393-11	CARBON	10 5% 1/4W F
R464	1-247-903-00	CARBON	1M 5% 1/4W	R568	1-249-389-11	CARBON	4.7 5% 1/4W F
R465	1-249-417-11	CARBON	1K 5% 1/4W F	△ R569	1-249-413-11	CARBON	470 5% 1/4W F
R466	1-249-417-11	CARBON	1K 5% 1/4W F (AEP,UK,G,EE)	R570	1-249-419-11	CARBON	1.5K 5% 1/4W F
R467	1-247-897-11	CARBON	560K 5% 1/4W (AEP,UK,G,EE)	R571	1-249-427-11	CARBON	6.8K 5% 1/4W F
R469	1-247-903-00	CARBON	1M 5% 1/4W	R573	1-249-437-11	CARBON	47K 5% 1/4W
R470	1-249-441-11	CARBON	100K 5% 1/4W	R580	1-249-426-11	CARBON	5.6K 5% 1/4W
R476	1-249-429-11	CARBON	10K 5% 1/4W	R581	1-247-887-00	CARBON	220K 5% 1/4W
R477	1-249-439-11	CARBON	68K 5% 1/4W	R582	1-249-426-11	CARBON	5.6K 5% 1/4W
				R601	1-249-417-11	CARBON	1K 5% 1/4W F
				R602	1-249-438-11	CARBON	56K 5% 1/4W
				R603	1-249-438-11	CARBON	56K 5% 1/4W
				R604	1-249-414-11	CARBON	560 5% 1/4W F (AEP,UK,G,EE)

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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R604	1-249-411-11	CARBON	330 5% 1/4W (US,CND,AUS,E,SP,MY,CH)	R761	1-249-440-11	CARBON	82K 5% 1/4W
△ R610	1-249-393-11	CARBON	10 5% 1/4W F	R763	1-249-414-11	CARBON	560 5% 1/4W F
R611	1-249-389-11	CARBON	4.7 5% 1/4W F	△ R764	1-249-409-11	CARBON	220 5% 1/4W F (AEP,UK,G,EE)
R612	1-249-437-11	CARBON	47K 5% 1/4W	△ R764	1-249-408-11	CARBON	180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)
△ R619	1-249-413-11	CARBON	470 5% 1/4W F	△ R765	1-249-409-11	CARBON	220 5% 1/4W F (AEP,UK,G,EE)
R630	1-249-426-11	CARBON	5.6K 5% 1/4W	△ R765	1-249-408-11	CARBON	180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)
R632	1-249-426-11	CARBON	5.6K 5% 1/4W	△ R766	1-233-352-21	ENCAPSULATED COMPONENT	
R651	1-249-417-11	CARBON	1K 5% 1/4W F	△ R767	1-249-393-11	CARBON	10 5% 1/4W F
R652	1-249-438-11	CARBON	56K 5% 1/4W	R768	1-249-389-11	CARBON	4.7 5% 1/4W F
R653	1-249-438-11	CARBON	56K 5% 1/4W	R770	1-249-419-11	CARBON	1.5K 5% 1/4W F
R654	1-249-414-11	CARBON	560 5% 1/4W F (AEP,UK,G,EE)	R771	1-249-427-11	CARBON	6.8K 5% 1/4W F
R654	1-249-411-11	CARBON	330 5% 1/4W (US,CND,AUS,E,SP,MY,CH)	R772	1-249-431-11	CARBON	15K 5% 1/4W
△ R660	1-249-393-11	CARBON	10 5% 1/4W F	R773	1-249-437-11	CARBON	47K 5% 1/4W
R661	1-249-389-11	CARBON	4.7 5% 1/4W F	R781	1-247-887-00	CARBON	220K 5% 1/4W
R662	1-249-437-11	CARBON	47K 5% 1/4W	△ R801	1-215-883-11	METAL OXIDE	33 5% 2W F
R701	1-249-417-11	CARBON	1K 5% 1/4W F	△ R802	1-215-883-11	METAL OXIDE	33 5% 2W F
R702	1-249-439-11	CARBON	68K 5% 1/4W	△ R803	1-215-883-11	METAL OXIDE	33 5% 2W F
R703	1-249-415-11	CARBON	680 5% 1/4W F (AEP,UK,G,EE)	△ R804	1-215-883-11	METAL OXIDE	33 5% 2W F
R703	1-249-412-11	CARBON	390 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)	△ R805	1-215-883-11	METAL OXIDE	33 5% 2W F
R704	1-249-439-11	CARBON	68K 5% 1/4W	△ R806	1-215-883-11	METAL OXIDE	33 5% 2W F
R710	1-249-421-11	CARBON	2.2K 5% 1/4W F	△ R807	1-249-405-11	CARBON	100 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)
R711	1-249-440-11	CARBON	82K 5% 1/4W	△ R808	1-249-405-11	CARBON	100 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)
R713	1-249-414-11	CARBON	560 5% 1/4W F	△ R809	1-249-405-11	CARBON	100 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)
△ R714	1-249-409-11	CARBON	220 5% 1/4W F (AEP,UK,G,EE)	△ R815	1-249-389-11	CARBON	4.7 5% 1/4W F (EXCEPT US,CND)
△ R714	1-249-408-11	CARBON	180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)	△ R815	1-247-739-11	CARBON	100 5% 1/2W F (US,CND)
△ R715	1-249-409-11	CARBON	220 5% 1/4W F (AEP,UK,G,EE)	R816	1-249-425-11	CARBON	4.7K 5% 1/4W F (AEP,UK,G,EE)
△ R715	1-249-408-11	CARBON	180 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)	R816	1-249-427-11	CARBON	6.8K 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)
△ R716	1-233-352-21	ENCAPSULATED COMPONENT		R821	1-249-437-11	CARBON	47K 5% 1/4W
△ R717	1-249-393-11	CARBON	10 5% 1/4W F	R822	1-249-425-11	CARBON	4.7K 5% 1/4W F
R718	1-249-389-11	CARBON	4.7 5% 1/4W F	R823	1-249-437-11	CARBON	47K 5% 1/4W
△ R719	1-249-413-11	CARBON	470 5% 1/4W F	R824	1-249-425-11	CARBON	4.7K 5% 1/4W F
R720	1-249-419-11	CARBON	1.5K 5% 1/4W F	R825	1-249-417-11	CARBON	1K 5% 1/4W F
R721	1-249-427-11	CARBON	6.8K 5% 1/4W F	△ R830	1-249-413-11	CARBON	470 5% 1/4W F (EXCEPT CND)
R722	1-249-431-11	CARBON	15K 5% 1/4W	△ R830	1-249-411-11	CARBON	330 5% 1/4W (CND)
R723	1-249-437-11	CARBON	47K 5% 1/4W	R950	1-249-421-11	CARBON	2.2K 5% 1/4W F
R724	1-249-425-11	CARBON	4.7K 5% 1/4W F	R951	1-249-428-11	CARBON	8.2K 5% 1/4W F
R725	1-249-427-11	CARBON	6.8K 5% 1/4W F	R952	1-249-422-11	CARBON	2.7K 5% 1/4W F
R726	1-249-417-11	CARBON	1K 5% 1/4W F	R953	1-249-433-11	CARBON	22K 5% 1/4W
R727	1-249-427-11	CARBON	6.8K 5% 1/4W F	R954	1-249-439-11	CARBON	68K 5% 1/4W
R730	1-249-429-11	CARBON	10K 5% 1/4W	R955	1-249-429-11	CARBON	10K 5% 1/4W
R731	1-247-887-00	CARBON	220K 5% 1/4W	R956	1-247-843-11	CARBON	3.3K 5% 1/4W
R734	1-249-429-11	CARBON	10K 5% 1/4W	R957	1-249-417-11	CARBON	1K 5% 1/4W F
△ R740	1-249-393-11	CARBON	10 5% 1/4W F	R958	1-249-401-11	CARBON	47 5% 1/4W F
△ R741	1-249-393-11	CARBON	10 5% 1/4W F	R960	1-249-431-11	CARBON	15K 5% 1/4W
R742	1-249-427-11	CARBON	6.8K 5% 1/4W F				
R751	1-249-417-11	CARBON	1K 5% 1/4W F				
R752	1-249-439-11	CARBON	68K 5% 1/4W				
R753	1-249-415-11	CARBON	680 5% 1/4W F (AEP,UK,G,EE)				
R753	1-249-412-11	CARBON	390 5% 1/4W F (US,CND,AUS,E,SP,MY,CH)				
R754	1-249-439-11	CARBON	68K 5% 1/4W				
R760	1-249-421-11	CARBON	2.2K 5% 1/4W F				

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MAIN	PRIMARY	SECONDARY	SP-SCREW	SP-SW	STAND BY
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Ref. No.	Part No.	Description	Remarks		
△ RF800	1-212-887-00	FUSIBLE	180	5%	1/4W F
				(AEP,UK,G,EE,E,SP,MY,CH)	
RR01	1-249-418-11	CARBON	1.2K	5%	1/4W F
				(AEP,UK,G,EE)	
RR51	1-249-418-11	CARBON	1.2K	5%	1/4W F
				(AEP,UK,G,EE)	
< RELAY >					
RY301	1-515-793-11	RELAY			
RY551	1-515-920-11	RELAY (24V)			
RY601	1-515-920-11	RELAY (24V)			
RY701	1-515-920-11	RELAY (24V)			
RY801	1-755-206-11	RELAY (EXCEPT CND)			
RY851	1-515-918-11	RELAY (CND)			
RY852	1-515-918-11	RELAY (CND)			
< TERMINAL >					
TM601	1-537-510-11	TERMINAL BOARD (6P)(SURROUND SPEAKER)			
TM701	1-537-376-11	TERMINAL BOARD (FRONT SPEAKER)			
		(US,CND,AUS)			
< VIBRATOR >					
X1	1-579-900-21	VIBRATOR, CRYSTAL 4.332MHz (AEP,UK,G,EE)			
X301	1-579-952-11	VIBRATOR, CERAMIC 8MHz			

*	1-669-280-11	PRIMARY BOARD			

	1-533-233-21	HOLDER, FUSE			
< FUSE >					
△ F901	1-532-464-51	FUSE TIME LAG 2.5A/250V (EXCEPT US,CND)			
△ F901	1-533-310-11	FUSE, GLASS TUBE 6.3A/125V (US,CND)			

*	1-669-281-11	SECONDARY BOARD			

	1-533-233-21	HOLDER, FUSE			
< CONNECTOR >					
CNP801	1-764-479-11	PIN, CONNECTOR (PC BOARD) 10P			
< FUSE >					
△ F801	1-532-504-51	FUSE TIME LAG 4A/250V(EXCEPT US,CND)			
△ F801	1-576-108-11	FUSE 4A/125V(US,CND)			
△ F802	1-532-504-51	FUSE TIME LAG 4A/250V(EXCEPT US,CND)			
△ F802	1-576-108-11	FUSE 4A/125V(US,CND)			

*	1-669-284-11	SP-SCREW BOARD (AEP,UK,G,EE,E,SP,MY,CH)			

< CAPACITOR >					
CC12	1-164-096-11	CERAMIC	0.01uF		50V
CC13	1-164-096-11	CERAMIC	0.01uF		50V
CC62	1-164-096-11	CERAMIC	0.01uF		50V
CC63	1-164-096-11	CERAMIC	0.01uF		50V
< CONNECTOR >					
CNS707	1-564-505-11	PLUG, CONNECTOR 2P			

Ref. No.	Part No.	Description	Remarks		
< RESISTOR >					
RR04	1-249-393-11	CARBON	10	5%	1/4W F
RR05	1-249-393-11	CARBON	10	5%	1/4W F
RR54	1-249-393-11	CARBON	10	5%	1/4W F
RR55	1-249-393-11	CARBON	10	5%	1/4W F
< TERMINAL >					
TMS701	1-537-740-11	TERMINAL BOARD (FRONT SPEAKERS)			

*	1-669-282-11	SP-SW BOARD			

< CONNECTOR >					
CNP703	1-764-474-11	PIN, CONNECTOR (PC BOARD) 5P			
CNP704	1-764-473-11	PIN, CONNECTOR (PC BOARD) 3P			
< JACK >					
J741	1-750-733-11	JACK (LARGE TYPE)(PHONES)			
< RESISTOR >					
R741	1-247-753-11	CARBON	1.2K	5%	1/2W
R742	1-247-753-11	CARBON	1.2K	5%	1/2W
R791	1-247-753-11	CARBON	1.2K	5%	1/2W
R792	1-247-753-11	CARBON	1.2K	5%	1/2W
< SWITCH >					
S701	1-762-319-11	SWITCH, PUSH (2 KEY)(SPEAKER A/B)			

*	1-669-279-11	STAND BY BOARD			

	1-533-233-21	HOLDER, FUSE			
< JACK >					
△ CNJ902	1-251-691-11	OUTLET (AC) (US,CND)			
< CONNECTOR >					
CNP802	1-779-495-11	PLUG, CONNECTOR PIN 4P			
CNP901	1-564-321-00	PIN, CONNECTOR 2P			
CNP903	1-580-230-11	PIN,CONNECTOR(PC BOARD)2P			
(EXCEPT US,CND)					
< DIODE >					
D816	8-719-911-19	DIODE 1SS119			
< FUSE >					
△ F902	1-532-464-51	FUSE TIME LAG 2.5A/250V(EXCEPT US,CND)			
< TERMINAL >					
* G900	1-537-738-21	TERMINAL, EARTH (US,CND,AUS,E,SP,MY,CH)			
< RESISTOR >					
△ R901	1-202-725-00	SOLID	3.3M	10%	1/2W
(US,CND)					

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Ref. No.	Part No.	Description	Remarks
		< RELAY >	
△ RY901	1-755-018-11	RELAY	
		< TRANSFORMER >	
△ T902	1-431-740-11	TRANSFORMER, POWER (US,CND)	
△ T902	1-431-739-11	TRANSFORMER, POWER (EXCEPT US,CND)	

*	1-669-283-11	VIDEO BOARD	

		< CAPACITOR >	
C260	1-126-960-11	ELECT 1uF 20%	50V
C261	1-126-960-11	ELECT 1uF 20%	50V
C262	1-164-159-11	CERAMIC 0.1uF	50V
C263	1-104-664-11	ELECT 47uF 20%	25V
C264	1-164-159-11	CERAMIC 0.1uF	50V
C265	1-126-924-11	ELECT 330uF 20%	10V
C266	1-162-215-31	CERAMIC 47PF 5%	50V
C267	1-162-215-31	CERAMIC 47PF 5%	50V
C268	1-126-960-11	ELECT 1uF 20%	50V
CC272	1-162-282-31	CERAMIC 100PF 10%	50V
		(AEP,UK,G,EE)	
CC274	1-162-282-31	CERAMIC 100PF 10%	50V
		(AEP,UK,G,EE)	
CC276	1-162-282-31	CERAMIC 100PF 10%	50V
		(AEP,UK,G,EE)	
CC278	1-162-282-31	CERAMIC 100PF 10%	50V
		(AEP,UK,G,EE)	
CC280	1-162-282-31	CERAMIC 100PF 10%	50V
		(AEP,UK,G,EE)	
		< CONNECTOR >	
CNP500	1-691-771-11	PLUG (MICRO CONNECTOR) 9P	
CNS250	1-568-439-11	SOCKET, CONNECTOR 7P	
		< IC >	
IC251	8-759-333-84	IC NJM2279D	
		< JACK >	
J251	1-695-317-21	JACK,PIN 2P(VIDEO/TV/LD VIDEO IN)	
J252	1-766-199-11	JACK,PIN 3P(VIDEO OUT/VIDEO IN/MONITOR)	
J253	1-774-843-11	JACK,PIN 1P(WOOFER AUDIO OUT)	
J501	1-779-380-11	JACK,PIN 6P(FRONT/REAR/CENTER/WOOFER)	
		< RESISTOR >	
R261	1-247-804-11	CARBON 75 5%	1/4W
R262	1-247-804-11	CARBON 75 5%	1/4W
R263	1-247-804-11	CARBON 75 5%	1/4W
R264	1-247-804-11	CARBON 75 5%	1/4W
△ R267	1-249-407-11	CARBON 150 5%	1/4W F
R268	1-249-411-11	CARBON 330 5%	1/4W
△ R269	1-247-804-11	CARBON 75 5%	1/4W
		(US,CND,AUS,E,SP,MY,CH)	
R272	1-249-421-11	CARBON 2.2K 5%	1/4W F
R274	1-249-421-11	CARBON 2.2K 5%	1/4W F
R275	1-249-429-11	CARBON 10K 5%	1/4W

Ref. No.	Part No.	Description	Remarks
R276	1-249-421-11	CARBON 2.2K 5%	1/4W F
R277	1-249-429-11	CARBON 10K 5%	1/4W
R278	1-249-421-11	CARBON 2.2K 5%	1/4W F
R280	1-249-421-11	CARBON 2.2K 5%	1/4W F
R282	1-249-421-11	CARBON 2.2K 5%	1/4W F

*	A-4407-451-A	VR-TONE BOARD, COMPLETE	

		< CAPACITOR >	
C220	1-126-301-11	ELECT 1uF 20%	50V
C221	1-126-301-11	ELECT 1uF 20%	50V
C361	1-164-159-11	CERAMIC 0.1uF	50V
C362	1-164-159-11	CERAMIC 0.1uF	50V
C363	1-164-159-11	CERAMIC 0.1uF	50V
C364	1-164-159-11	CERAMIC 0.1uF	50V
C365	1-164-159-11	CERAMIC 0.1uF	50V
C366	1-164-159-11	CERAMIC 0.1uF	50V
C381	1-126-963-11	ELECT 4.7uF 20%	50V
C382	1-126-963-11	ELECT 4.7uF 20%	50V
C383	1-126-963-11	ELECT 4.7uF 20%	50V
C384	1-126-963-11	ELECT 4.7uF 20%	50V
C385	1-126-963-11	ELECT 4.7uF 20%	50V
C421	1-137-440-11	FILM 0.018uF	50V
C422	1-124-463-00	ELECT 0.1uF 20%	50V
C423	1-137-368-11	FILM 0.0047uF 5%	50V
C424	1-137-372-11	FILM 0.022uF 5%	50V
C471	1-137-440-11	FILM 0.018uF 5%	50V
C472	1-124-463-00	ELECT 0.1uF 20%	50V
C473	1-137-368-11	FILM 0.0047uF 5%	50V
C474	1-137-372-11	FILM 0.022uF 5%	50V
		< CONNECTOR >	
CNP202	1-770-393-11	PIN, CONNECTOR (PC BOARD) 9P	
CNS402	1-568-442-11	SOCKET, CONNECTOR 9P	
CNS502	1-568-443-11	SOCKET, CONNECTOR 13P	
		< DIODE >	
D238	8-719-046-39	DIODE SEL5821A-TH15 (MUTING)	
		< TRANSISTOR >	
Q361	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q362	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q363	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q364	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q365	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q366	8-729-141-30	TRANSISTOR 2SC3623A-LK	
		< RESISTOR >	
R229	1-249-406-11	CARBON 120 5%	1/4W F
R351	1-249-417-11	CARBON 1K 5%	1/4W F
R352	1-249-417-11	CARBON 1K 5%	1/4W F
R353	1-249-417-11	CARBON 1K 5%	1/4W F
R354	1-249-417-11	CARBON 1K 5%	1/4W F

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Ref. No.	Part No.	Description			Remarks
R355	1-249-417-11	CARBON	1K	5%	1/4W F
R356	1-249-417-11	CARBON	1K	5%	1/4W F
R361	1-249-425-11	CARBON	4.7K	5%	1/4W F
R362	1-249-425-11	CARBON	4.7K	5%	1/4W F
R363	1-249-425-11	CARBON	4.7K	5%	1/4W F
R364	1-249-425-11	CARBON	4.7K	5%	1/4W F
R365	1-249-425-11	CARBON	4.7K	5%	1/4W F
R366	1-249-425-11	CARBON	4.7K	5%	1/4W F
R367	1-249-441-11	CARBON	100K	5%	1/4W
R368	1-249-441-11	CARBON	100K	5%	1/4W
R369	1-249-441-11	CARBON	100K	5%	1/4W
R370	1-249-441-11	CARBON	100K	5%	1/4W
R371	1-249-441-11	CARBON	100K	5%	1/4W
R372	1-249-441-11	CARBON	100K	5%	1/4W
R421	1-249-430-11	CARBON	12K	5%	1/4W
R422	1-249-422-11	CARBON	2.7K	5%	1/4W F
R423	1-247-903-00	CARBON	1M	5%	1/4W
R424	1-247-903-00	CARBON	1M	5%	1/4W
R425	1-249-415-11	CARBON	680	5%	1/4W F
R471	1-249-430-11	CARBON	12K	5%	1/4W
R472	1-249-422-11	CARBON	2.7K	5%	1/4W F
R473	1-247-903-00	CARBON	1M	5%	1/4W
R474	1-247-903-00	CARBON	1M	5%	1/4W
R475	1-249-415-11	CARBON	680	5%	1/4W F
< VARIABLE RESISTOR >					
RV404	1-225-446-11	RES, VAR, CARBON 100KX6	(MASTER VOLUME)		
RV421	1-223-362-11	RES, VAR, CARBON 100K/100K (BASS)			
RV422	1-223-363-11	RES, VAR, CARBON 125K/125K (TREBLE)			
RV423	1-225-447-11	RES, VAR, CARBON 100K/100K (BALANCE)			
< SWITCH >					
S240	1-762-751-11	SWITCH, TACTILE			

*	1-669-276-11	10 KEY BOARD	*****		
< CONNECTOR >					
CNS205	1-770-397-11	HOUSING, CONNECTOR(PC BOARD)4P			
< RESISTOR >					
R232	1-249-411-11	CARBON	330	5%	1/4W
R233	1-249-413-11	CARBON	470	5%	1/4W F
R234	1-249-415-11	CARBON	680	5%	1/4W F
R235	1-249-417-11	CARBON	1K	5%	1/4W F
R236	1-249-419-11	CARBON	1.5K	5%	1/4W F
R237	1-249-421-11	CARBON	2.2K	5%	1/4W F
R238	1-247-843-11	CARBON	3.3K	5%	1/4W
R239	1-249-411-11	CARBON	330	5%	1/4W
R240	1-249-413-11	CARBON	470	5%	1/4W F
R241	1-249-415-11	CARBON	680	5%	1/4W F
R242	1-249-417-11	CARBON	1K	5%	1/4W F
R243	1-249-419-11	CARBON	1.5K	5%	1/4W F
R244	1-249-421-11	CARBON	2.2K	5%	1/4W F
R245	1-247-843-11	CARBON	3.3K	5%	1/4W
R246	1-249-411-11	CARBON	330	5%	1/4W

Ref. No.	Part No.	Description	Remarks		
R247	1-249-413-11	CARBON	470	5%	1/4W F
R248	1-249-415-11	CARBON	680	5%	1/4W F
R249	1-249-417-11	CARBON	1K	5%	1/4W F
R250	1-249-419-11	CARBON	1.5K	5%	1/4W F
R251	1-249-421-11	CARBON	2.2K	5%	1/4W F
R252	1-247-843-11	CARBON	3.3K	5%	1/4W
R253	1-249-425-11	CARBON	4.7K	5%	1/4W F
< SWITCH >					
S217	1-554-303-21	SWITCH, TACTILE (EFFECT/DELAY)			
S218	1-554-303-21	SWITCH, TACTILE (SURROUND ON/OFF)			
S219	1-554-303-21	SWITCH, TACTILE (BASS BOOST)			
S220	1-554-303-21	SWITCH, TACTILE (PHONES)(AEP,UK,G,EE)			
S221	1-554-303-21	SWITCH, TACTILE (TUNER) (AEP,UK,G,EE)			
S222	1-554-303-21	SWITCH, TACTILE (TV/LD)			
S223	1-554-303-21	SWITCH, TACTILE (VIDEO)			
S224	1-554-303-21	SWITCH, TACTILE (SHIFT)			
S225	1-554-303-21	SWITCH, TACTILE (6)			
S226	1-554-303-21	SWITCH, TACTILE (7)			
S227	1-554-303-21	SWITCH, TACTILE (8)			
S228	1-554-303-21	SWITCH, TACTILE (9)			
S229	1-554-303-21	SWITCH, TACTILE (0)			
S230	1-554-303-21	SWITCH, TACTILE (SET UP)			
S231	1-554-303-21	SWITCH, TACTILE (CD) (AEP,UK,G,EE)			
S232	1-554-303-21	SWITCH, TACTILE (DIRECT TUNING)			
S233	1-554-303-21	SWITCH, TACTILE (1)			
S234	1-554-303-21	SWITCH, TACTILE (2)			
S235	1-554-303-21	SWITCH, TACTILE (3)			
S236	1-554-303-21	SWITCH, TACTILE (4)			
S237	1-554-303-21	SWITCH, TACTILE (5)			
S238	1-554-303-21	SWITCH, TACTILE (TAPE/MD)			
S239	1-554-303-21	SWITCH, TACTILE (MODE)			
S241	1-762-751-11	SWITCH, TACTILE (TUNER) (US,CND,AUS,E,SP,MY,CH)			
S242	1-762-751-11	SWITCH, TACTILE (CD) (US,CND,AUS,E,SP,MY,CH)			
S243	1-554-303-21	SWITCH, TACTILE (5.1/DVD INPUT)			

MISCELLANEOUS					

12	1-782-086-11	WIRE (FLAT TYPE) (27 CORE)			
13	1-769-911-11	WIRE (FLAT TYPE) (9 CORE)			
14	1-769-972-11	WIRE (FLAT TYPE) (13 CORE)			
△ 58	1-777-071-21	CORD, POWER (E,SP,MY,CH)			
△ 58	1-783-203-11	CORD, POWER (AUS)			
△ 58	1-783-204-11	CORD, POWER (US,CND)			
63	1-693-407-41	TUNER (US,CND)			
63	1-693-408-41	TUNER (AUS,AEP,UK,G,E,SP,MY,CH)			
63	1-693-411-41	TUNER (EE)			
64	1-782-080-11	WIRE (FLAT TYPE) (15 CORE)			
65	1-782-074-11	WIRE (FLAT TYPE) (7 CORE)			
△ CNJ902	1-251-416-11	OUTLET, AC (AUS)			
△ CNJ902	1-526-794-11	OUTLET, AC (AEP,G,EE,E,SP,MY,CH)			
△ T901	1-431-267-11	TRANSFORMER, POWER (US)			
△ T901	1-431-268-11	TRANSFORMER, POWER (CND)			

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remarks
△ T901	1-431-270-11	TRANSFORMER, POWER (AUS)	
△ T901	1-431-791-11	TRANSFORMER, POWER (AEP,UK,G,EE)	
△ T901	1-431-792-11	TRANSFORMER, POWER (E,SP,MY,CH)	

ACCESSORIES & PACKING MATERIALS

1-475-710-11	REMOTE COMMANDER RM-U302	(EXCEPT CND)
1-501-374-11	ANTENNA, LOOP	
1-501-594-11	ANTENNA (FM)(EXCEPT US,CND)	
4- 981-643-11	BATTERY COVER (FOR RM-U302)	(EXCEPT CND)
4-987-977-01	BATTERY COVER (FOR RM-PP401) (CND)	
8-917-634-90	REMOTE COMMADER RM-PP401(CND)	
3-862-354-11	MANUAL, INSTRUCTION	(ENGLISH, FRENCH, GERMAN, DUTCH, ITALIAN)
3-862-354-21	MANUAL, INSTRUCTION (ENGLISH)	
3-862-354-31	MANUAL, INSTRUCTION (ENGLISH, FRENCH)	
3-862-354-41	MANUAL, INSTRUCTION	(SPANISH, SWEDISH, FINNISH, DANISH, PORTUGUESE)
3-862-354-51	MANUAL, INSTRUCTION	(ENGLISH, RUSSIAN, POLISH)
3-862-354-61	MANUAL, INSTRUCTION	(ENGLISH, FRENCH, SPANISH, CHINESE)

HARDWARE LIST

#1	7-685-646-79	SCREW +BVTP	3 × 8 TYPE2 IT-3
#2	7-685-881-09	SCREW +BVTT	4 × 8 (S)
#3	7-685-872-09	SCREW +BVTT	3 × 8 (S)

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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